



Appendix B

GSM 850 & 1900



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1. Effective (Isotropic) Radiated Power Output Data

1.1. Test Result

Band	Channel	Slot	Conducted Power (dBm)	ERP (dBm)	Limit(dBm)	Verdict
GSM850	128	---	32.23	31.58	38.45	PASS
GSM850	190	---	32.10	31.45	38.45	PASS
GSM850	251	---	31.86	31.21	38.45	PASS
GPRS850	128	1	31.88	31.23	38.45	PASS
GPRS850	128	2	31.07	30.42	38.45	PASS
GPRS850	128	3	28.74	28.09	38.45	PASS
GPRS850	128	4	26.60	25.95	38.45	PASS
GPRS850	190	1	31.66	31.01	38.45	PASS
GPRS850	190	2	30.77	30.12	38.45	PASS
GPRS850	190	3	28.59	27.94	38.45	PASS
GPRS850	190	4	26.34	25.69	38.45	PASS
GPRS850	251	1	31.40	30.75	38.45	PASS
GPRS850	251	2	30.57	29.92	38.45	PASS
GPRS850	251	3	28.40	27.75	38.45	PASS
GPRS850	251	4	26.27	25.62	38.45	PASS

Band	Channel	Slot	Conducted Power (dBm)	EIRP (dBm)	Limit(dBm)	Verdict
GSM1900	512	---	28.33	29.23	33.00	PASS
GSM1900	661	---	28.14	29.04	33.00	PASS
GSM1900	810	---	27.94	28.84	33.00	PASS
GPRS1900	512	1	28.31	29.21	33.00	PASS
GPRS1900	512	2	26.85	27.75	33.00	PASS
GPRS1900	512	3	25.01	25.91	33.00	PASS
GPRS1900	512	4	22.86	23.76	33.00	PASS
GPRS1900	661	1	28.10	29.00	33.00	PASS
GPRS1900	661	2	26.16	27.06	33.00	PASS
GPRS1900	661	3	24.04	24.94	33.00	PASS
GPRS1900	661	4	22.13	23.03	33.00	PASS
GPRS1900	810	1	27.84	28.74	33.00	PASS
GPRS1900	810	2	25.85	26.75	33.00	PASS
GPRS1900	810	3	23.57	24.47	33.00	PASS
GPRS1900	810	4	21.50	22.40	33.00	PASS



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Remark:

a: For getting the EIRP (Efficient Isotropic Radiated Power), the following formula should be taken to calculate it,

ERP [dBm] = Conducted Power [dBm] + Gain [dBd]

EIRP [dBm] = Conducted Power [dBm] + Gain [dBi]



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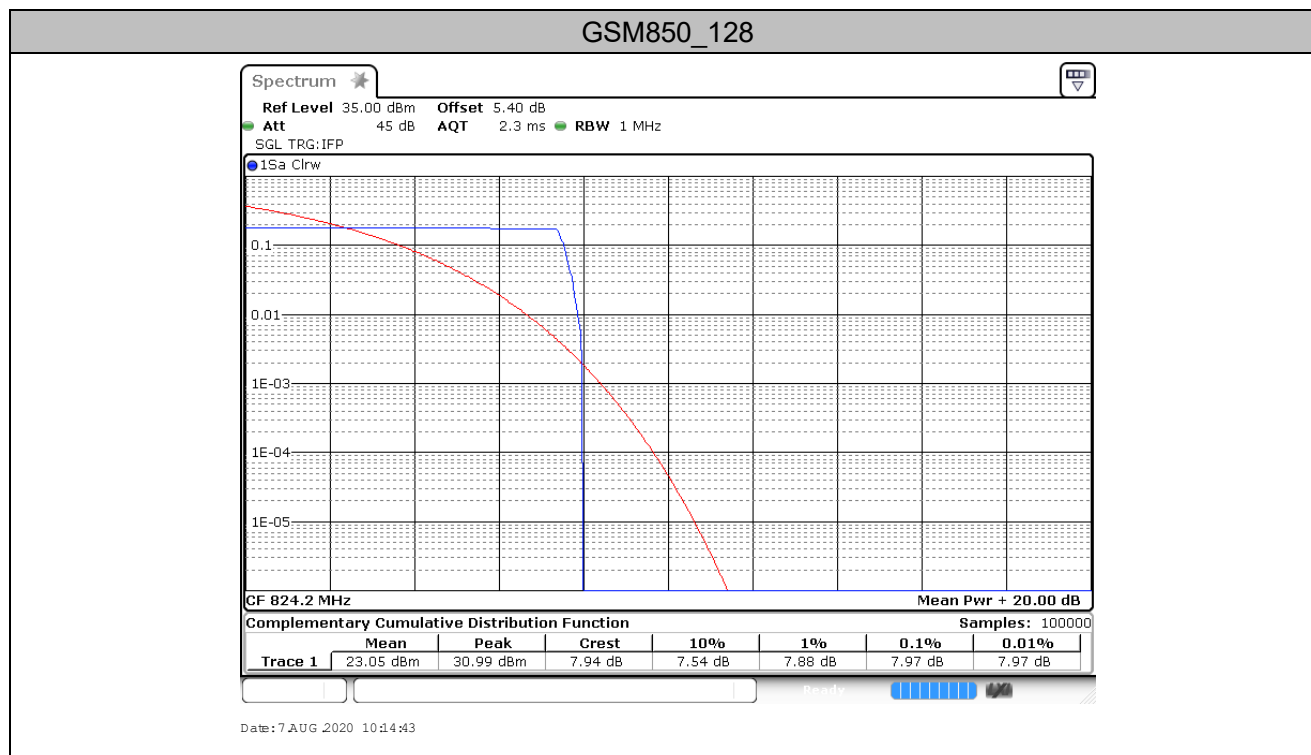
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2. Peak-to-Average Ratio

2.1. Test Result

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
GSM850	128	7.97	13	PASS
GSM850	190	8.00	13	PASS
GSM850	251	7.91	13	PASS
GPRS850	128	7.94	13	PASS
GPRS850	190	7.97	13	PASS
GPRS850	251	7.91	13	PASS
GSM1900	512	7.86	13	PASS
GSM1900	661	7.88	13	PASS
GSM1900	810	7.91	13	PASS
GPRS1900	512	7.88	13	PASS
GPRS1900	661	7.83	13	PASS
GPRS1900	810	7.86	13	PASS

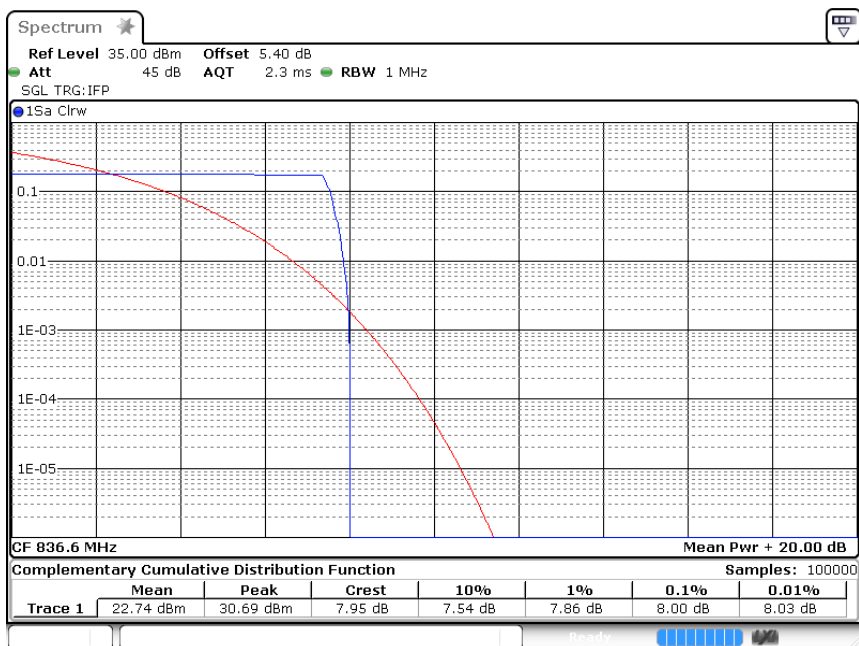
2.2. Part II - Test Plots



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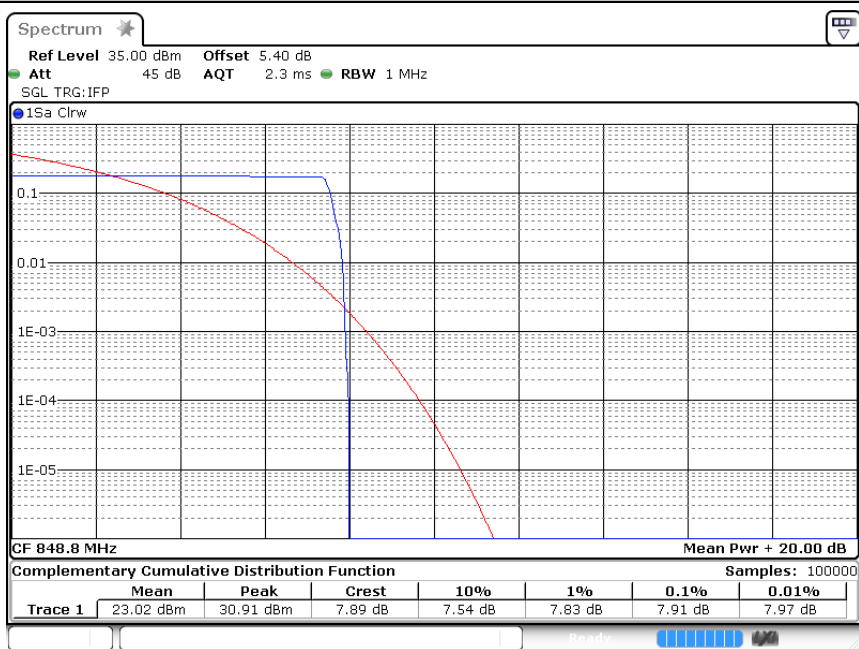
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GSM850_190



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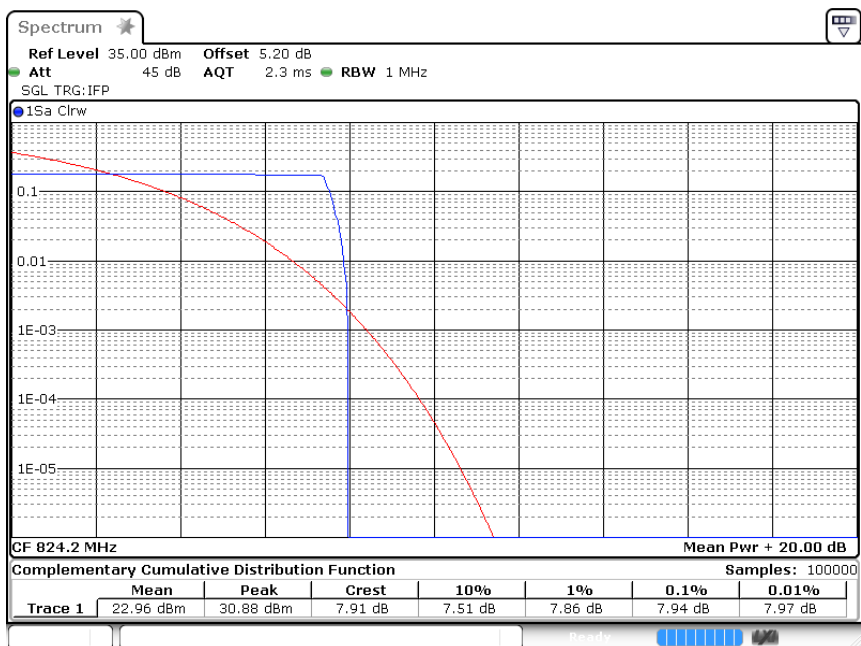
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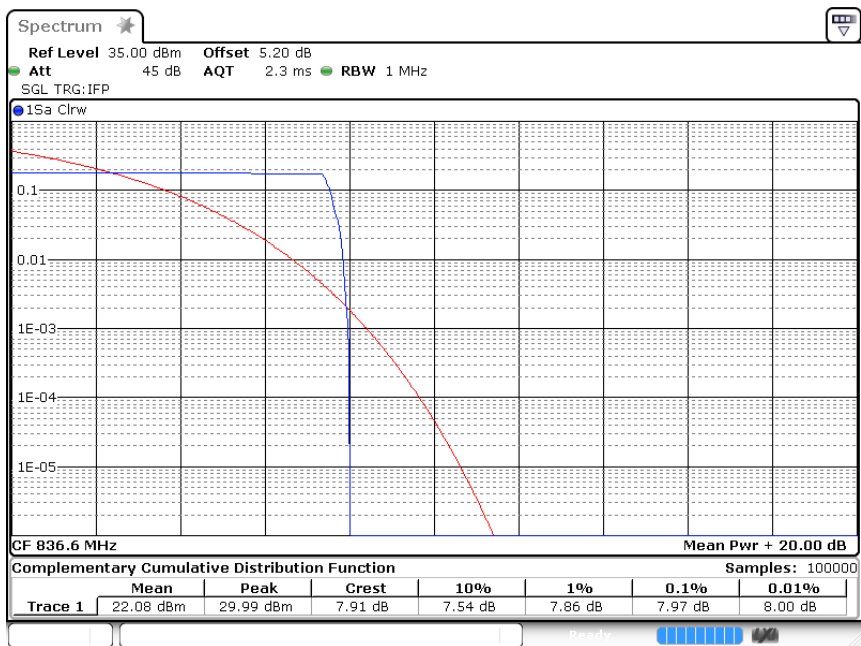


GPRS850_128



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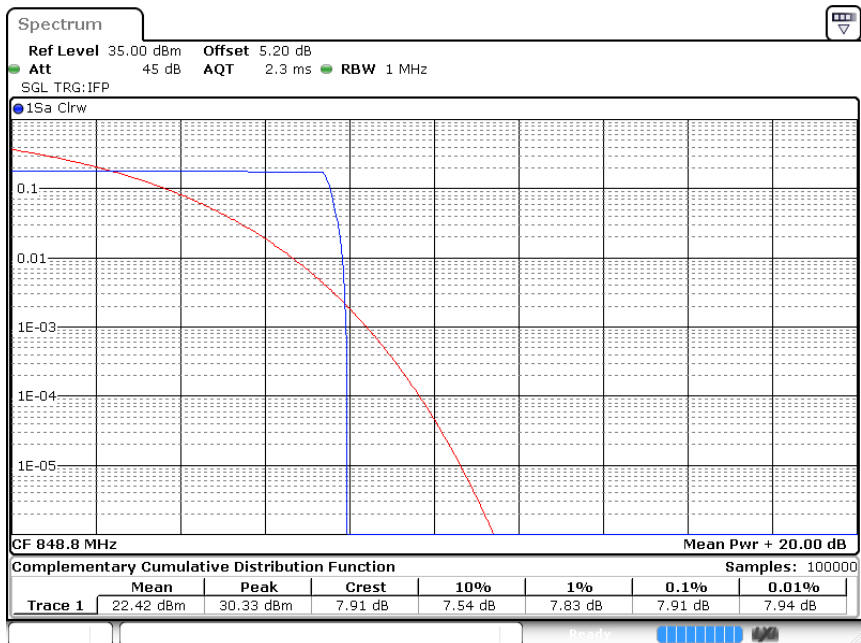
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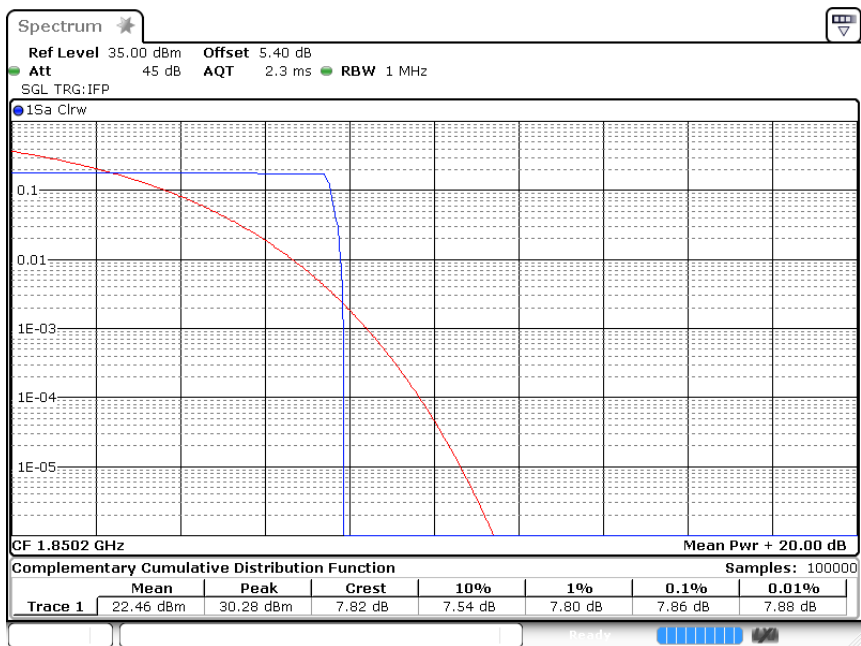


GPRS850_251



Date: 7 AUG 2020 09:50:35

GSM1900_512



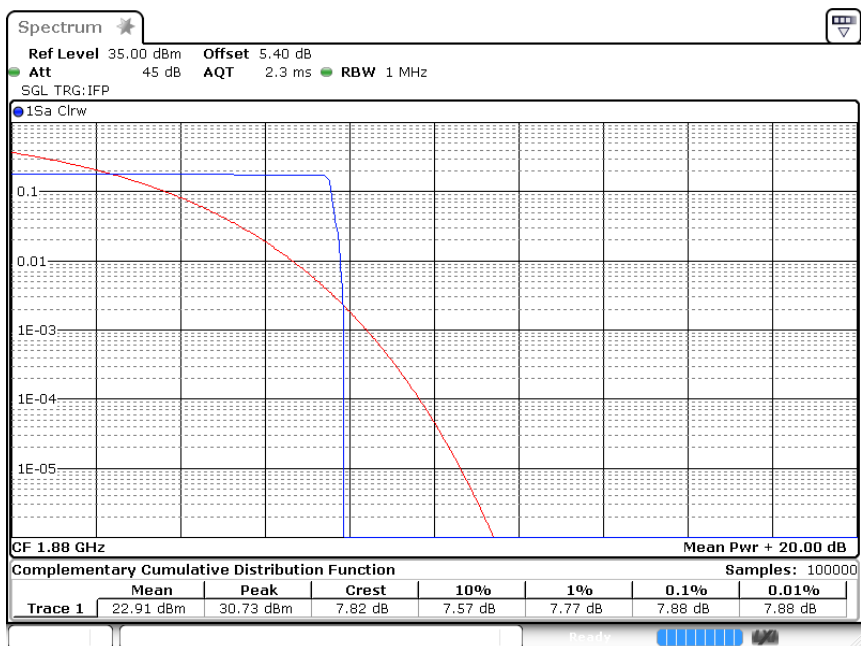
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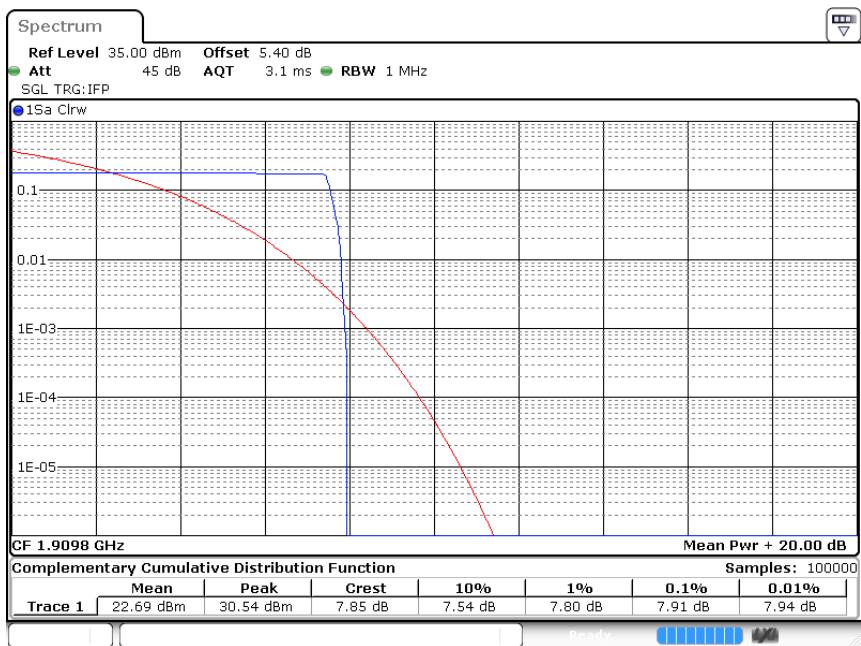
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GSM1900_661



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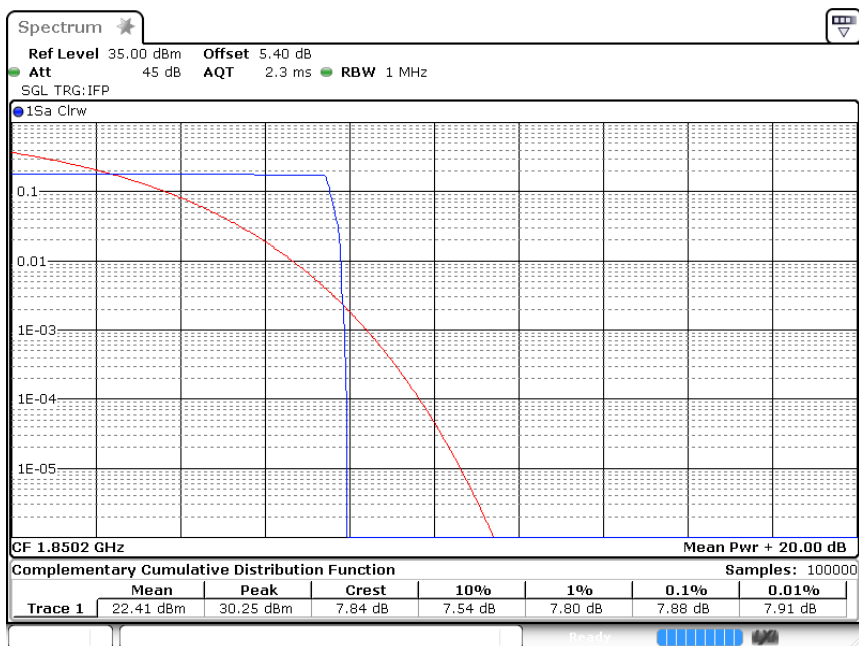
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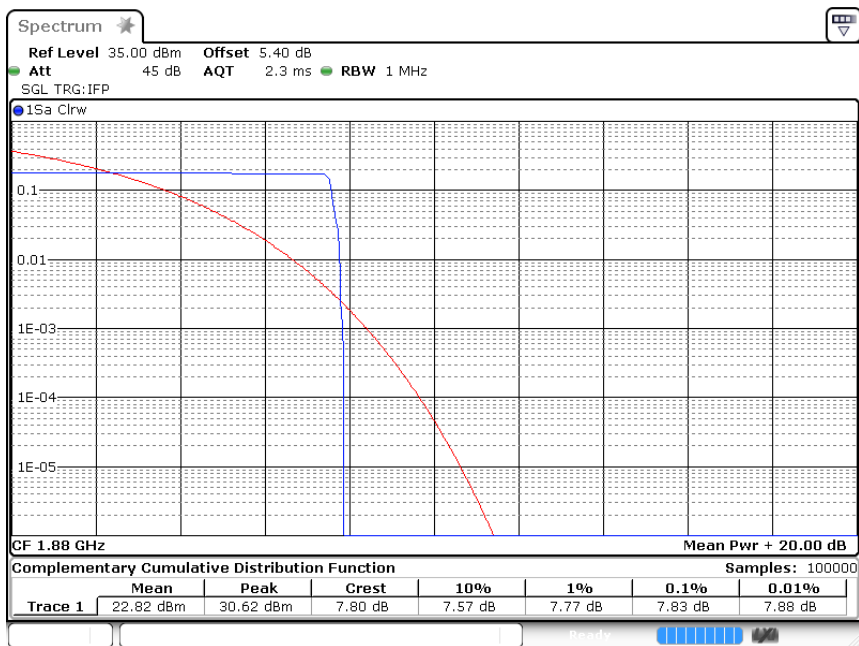


GPRS1900_512



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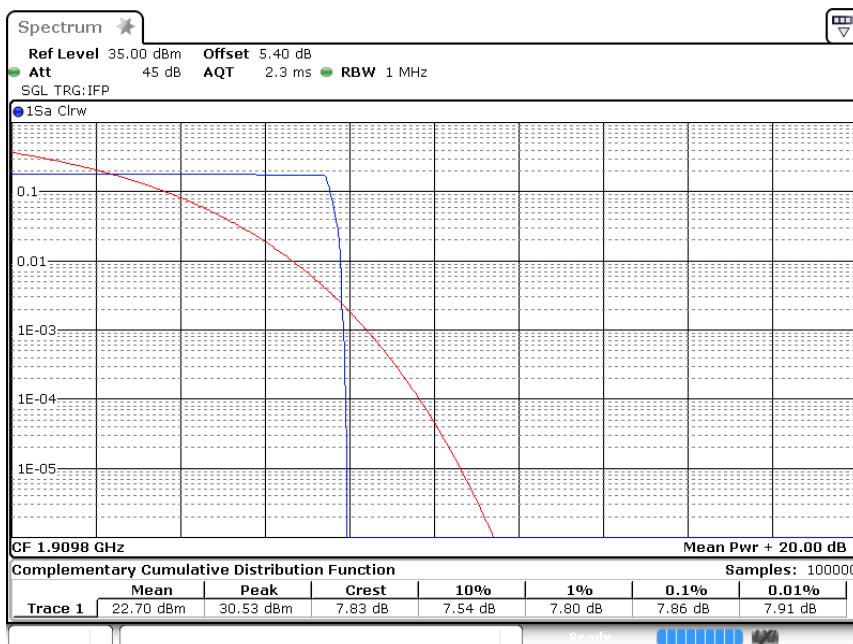
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GPRS1900_810



Date: 7 AUG 2020 10:02:05



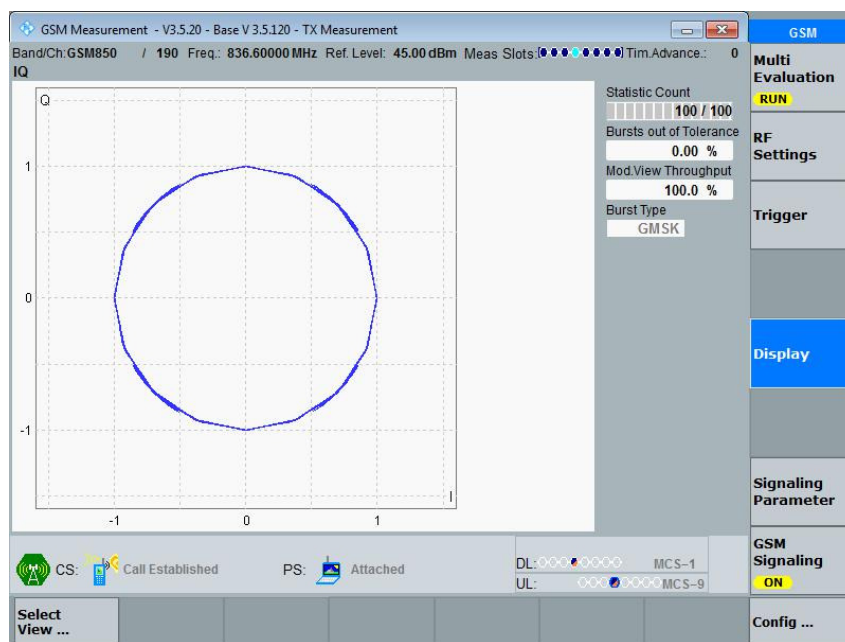
3. Modulation Characteristics

3.1. For GSM

3.1.1. Test Band = GSM 850

3.1.1.1. Test Mode = GSM/TM1

3.1.1.1.1. Test Channel = MCH

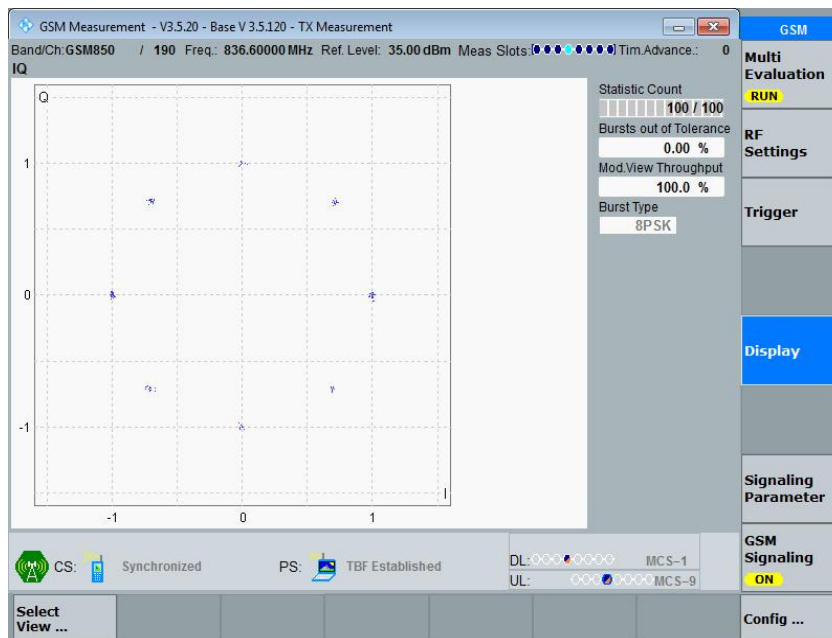


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3.1.1.2. Test Mode = GSM/TM2

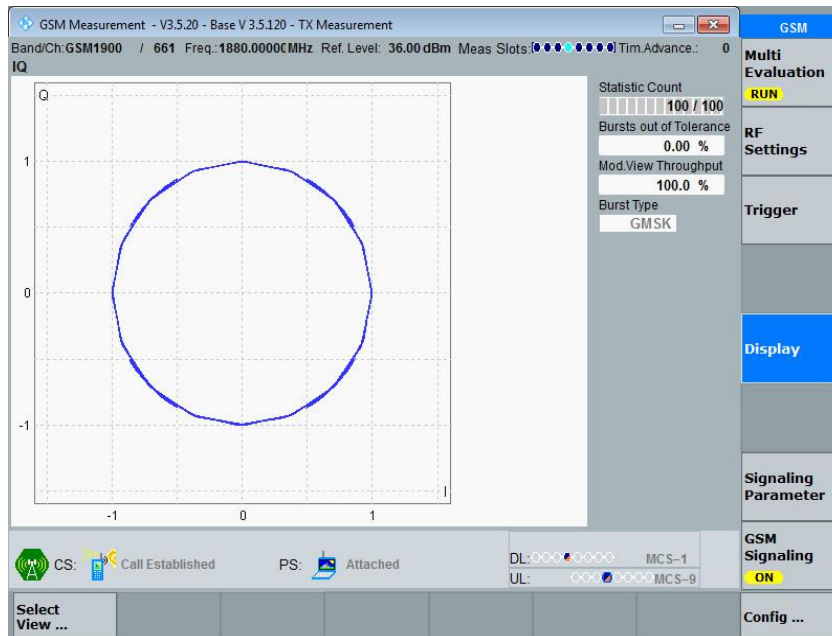
3.1.1.2.1. Test Channel = MCH



3.1.2. Test Band = GSM 1900

3.1.2.1. Test Mode = GSM/TM1

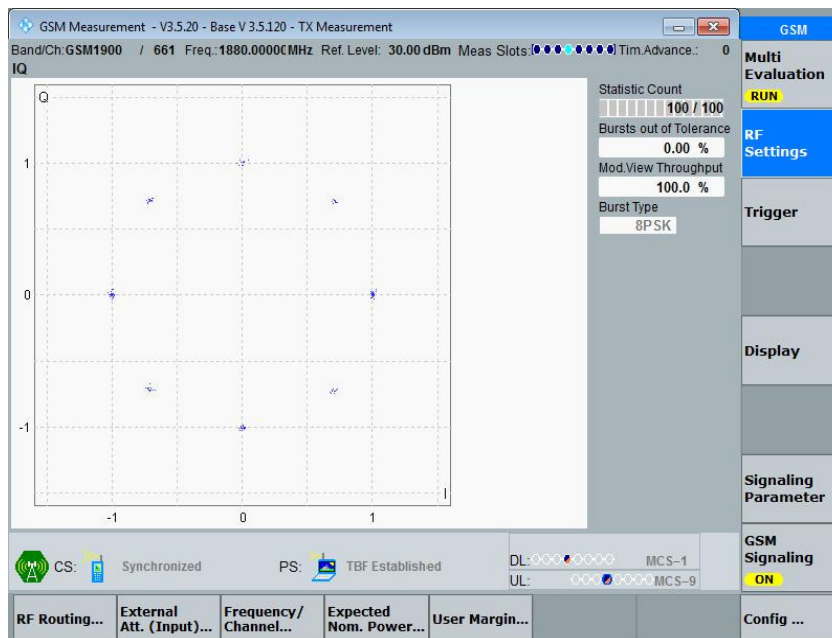
3.1.2.1.1. Test Channel = MCH





3.1.2.2. Test Mode = GSM/TM2

3.1.2.2.1. Test Channel = MCH

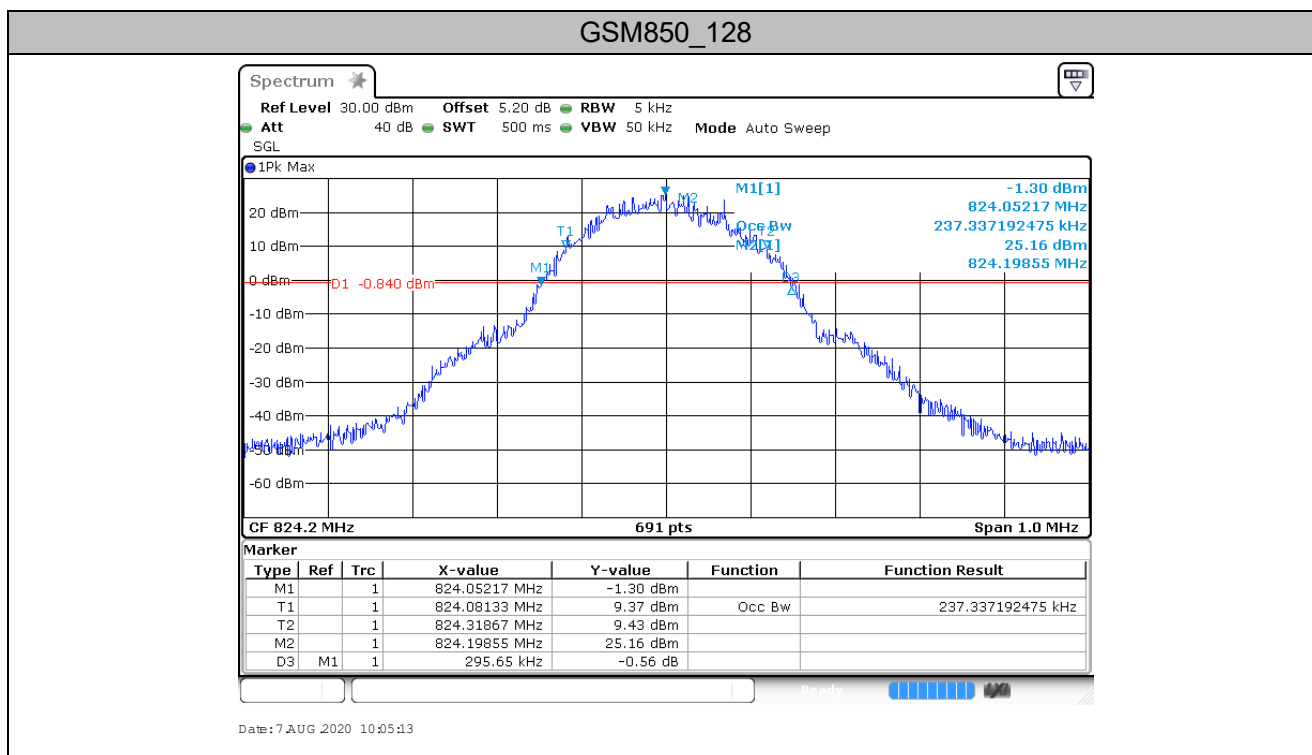


4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Channel	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
GSM850	128	237.34	295.65	---	PASS
GSM850	190	240.23	294.20	---	PASS
GSM850	251	234.44	286.96	---	PASS
GPRS850	128	234.44	284.06	---	PASS
GPRS850	190	237.34	294.20	---	PASS
GPRS850	251	235.89	304.35	---	PASS
GSM1900	512	240.23	291.30	---	PASS
GSM1900	661	237.34	294.20	---	PASS
GSM1900	810	237.34	297.10	---	PASS
GPRS1900	512	235.89	282.61	---	PASS
GPRS1900	661	235.89	298.55	---	PASS
GPRS1900	810	235.89	275.36	---	PASS

4.2. Test Plots



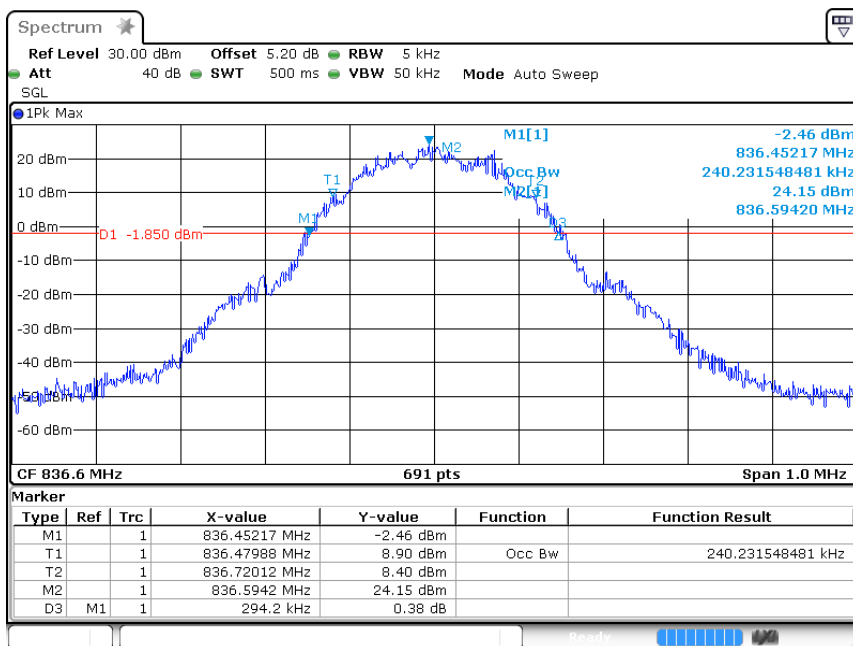
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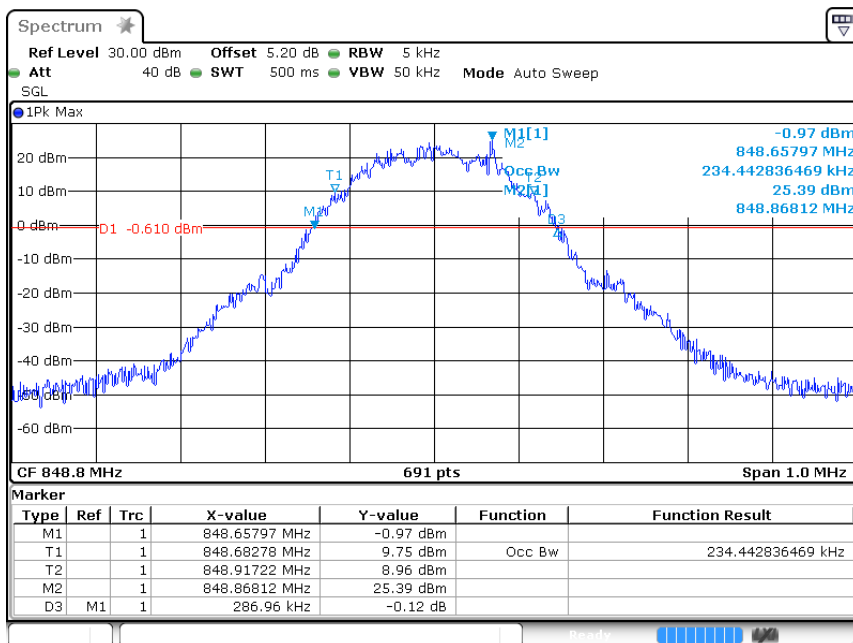
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GSM850_190



Date: 7 AUG 2020 10:09:23

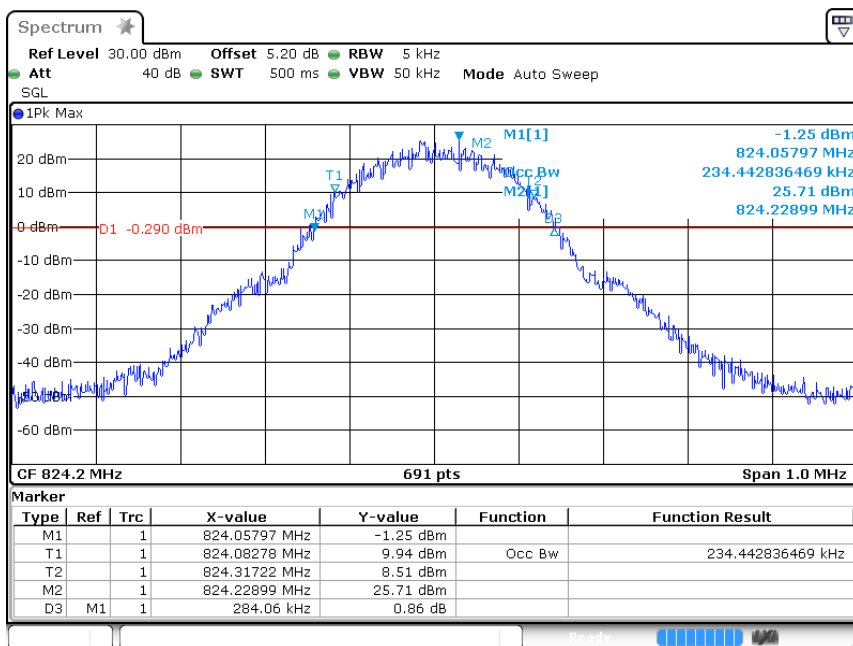
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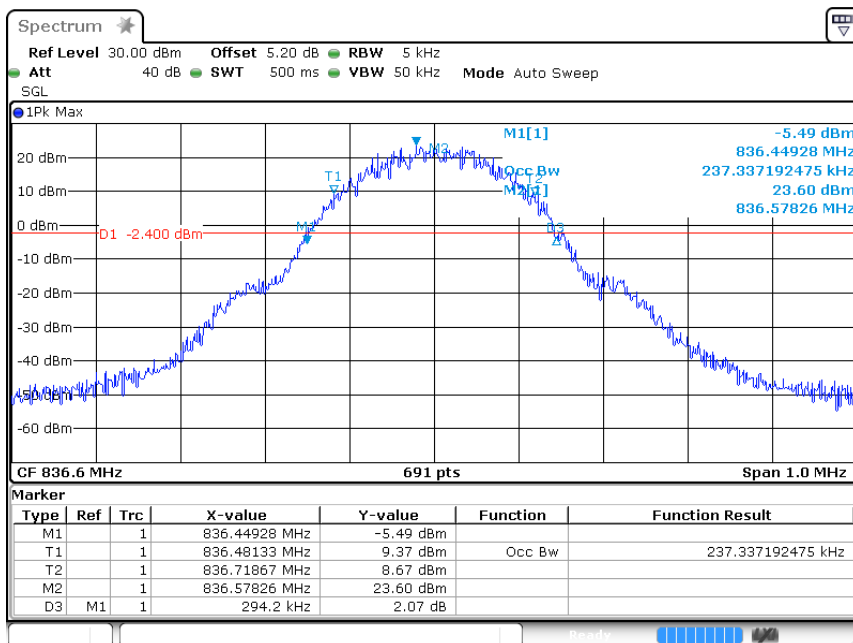


GPRS850_128



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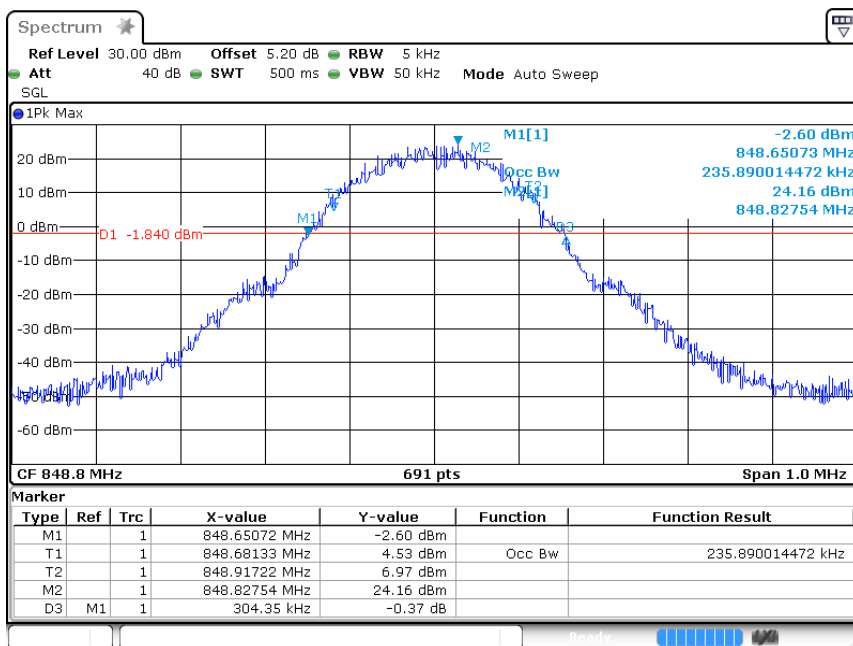
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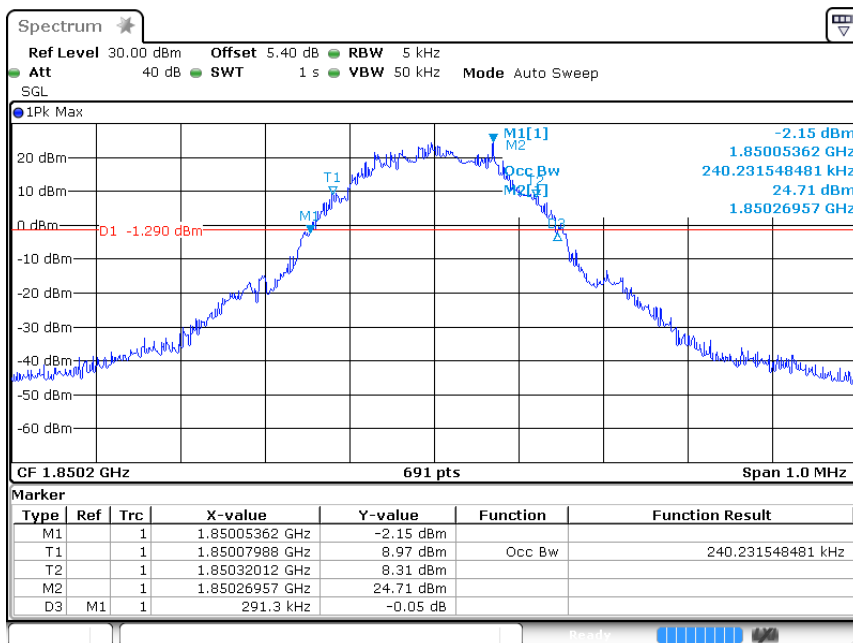


GPRS850_251



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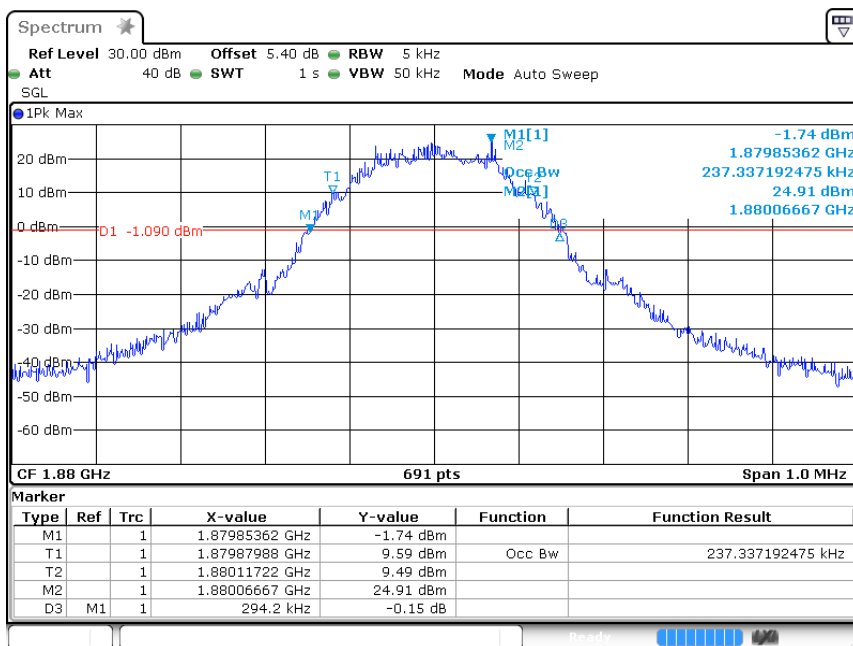
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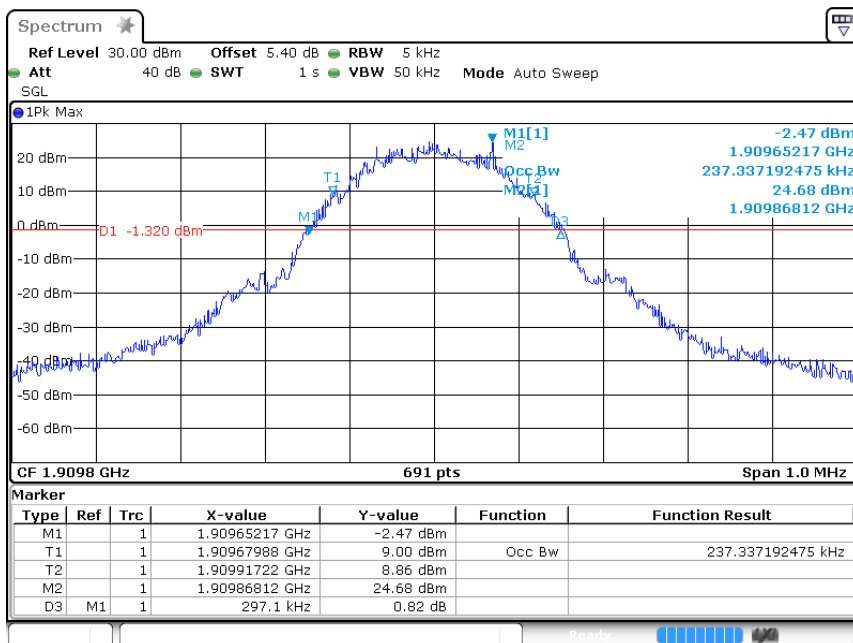


GSM1900_661



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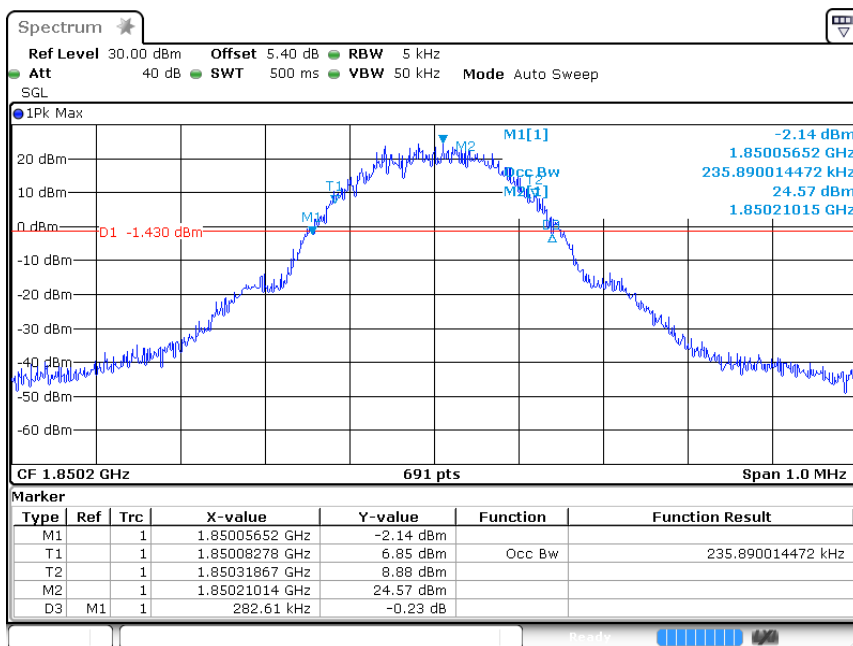
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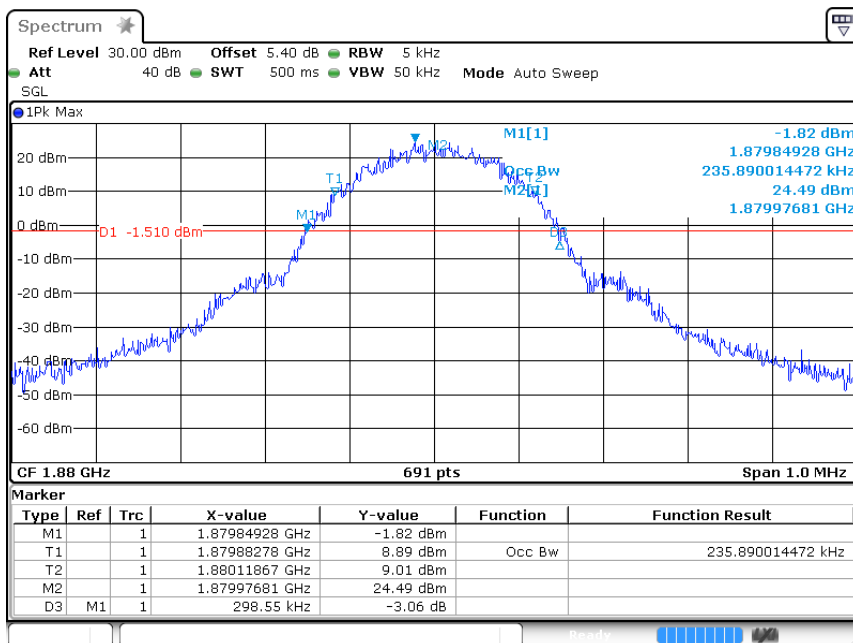


GPRS1900_512



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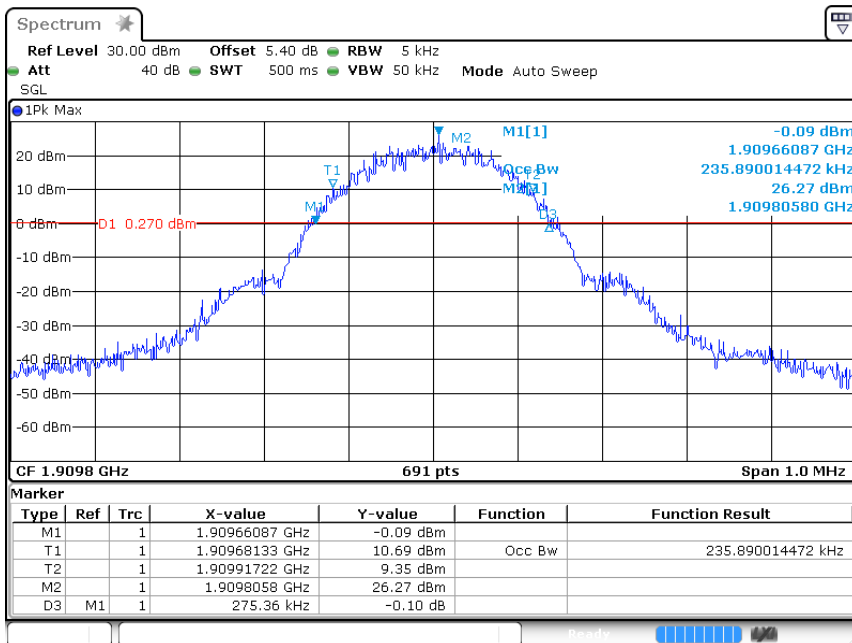
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GPRS1900_810



Date: 7 AUG 2020 09:55:08

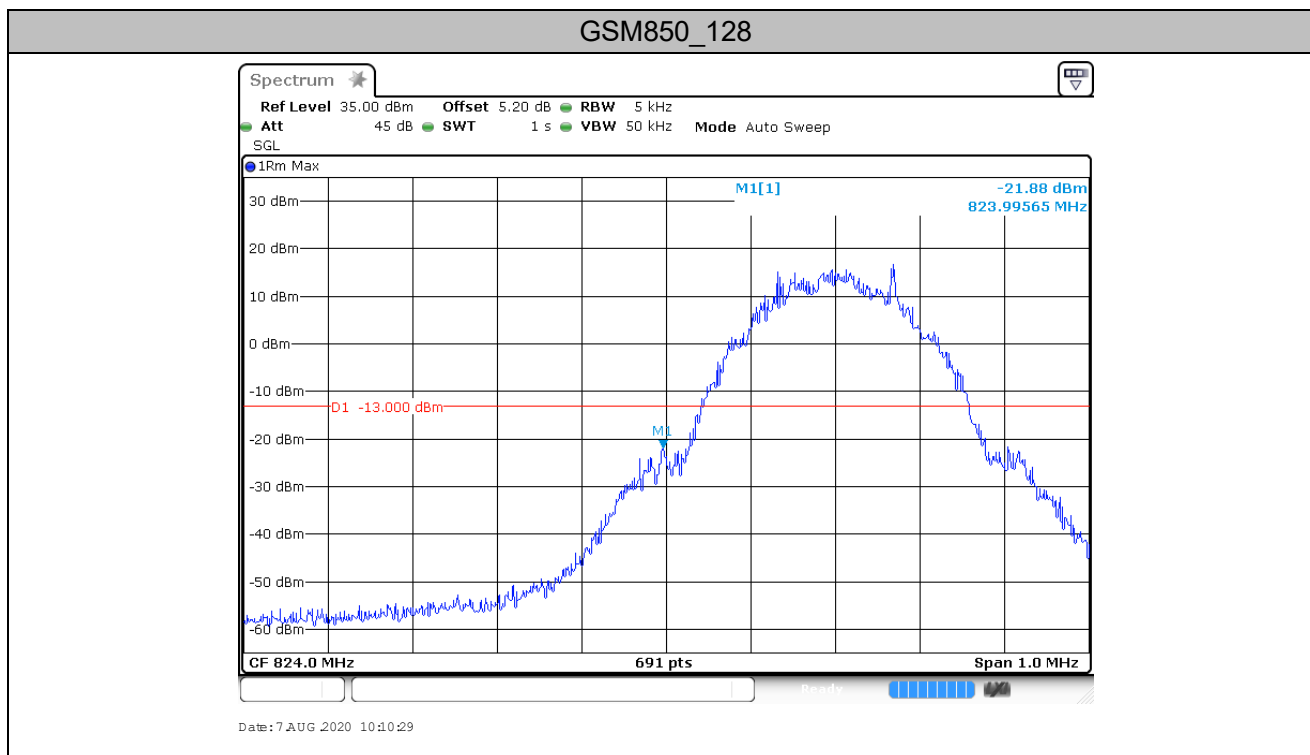


5. Band Edge Compliance

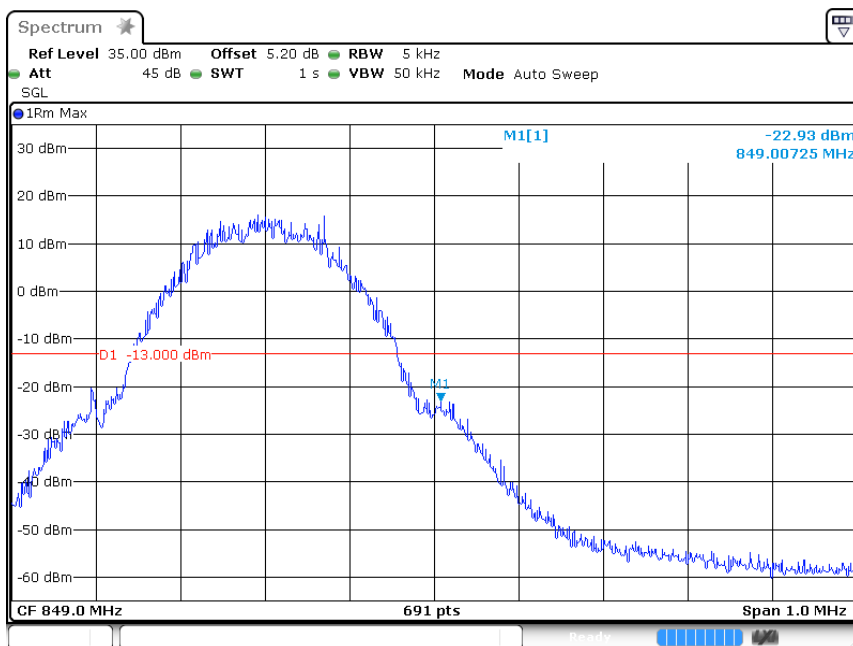
5.1. Test Result

Band	Channel	Value(dBm)	Limit(dBm)	Verdict
GSM850	128	-21.88	-13	PASS
GSM850	251	-22.93	-13	PASS
GPRS850	128	-21.92	-13	PASS
GPRS850	251	-23.79	-13	PASS
GSM1900	512	-19.94	-13	PASS
GSM1900	810	-19.39	-13	PASS
GPRS1900	512	-21.54	-13	PASS
GPRS1900	810	-22.37	-13	PASS

5.2. Test Plots

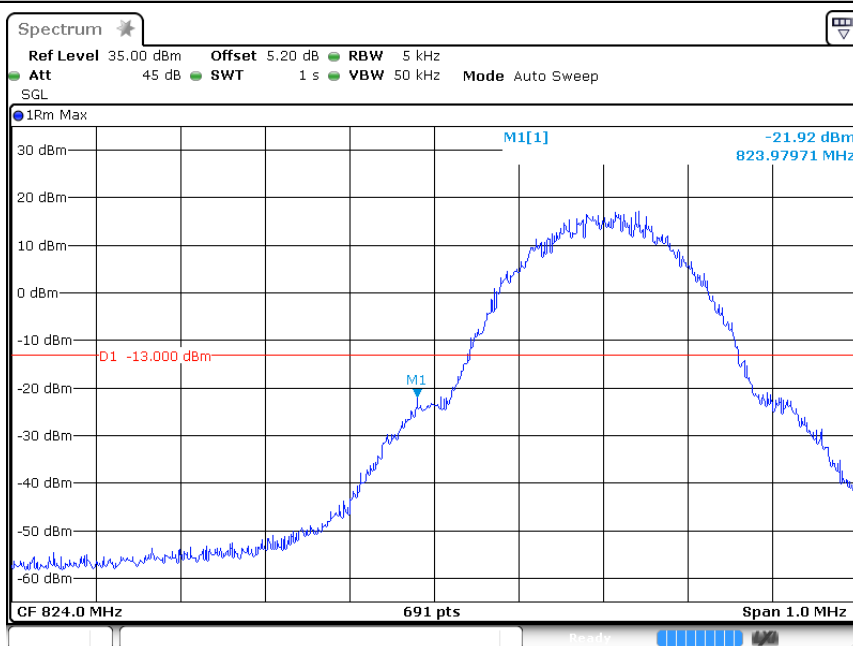


GSM850_251



Date: 7 AUG 2020 10:11:03

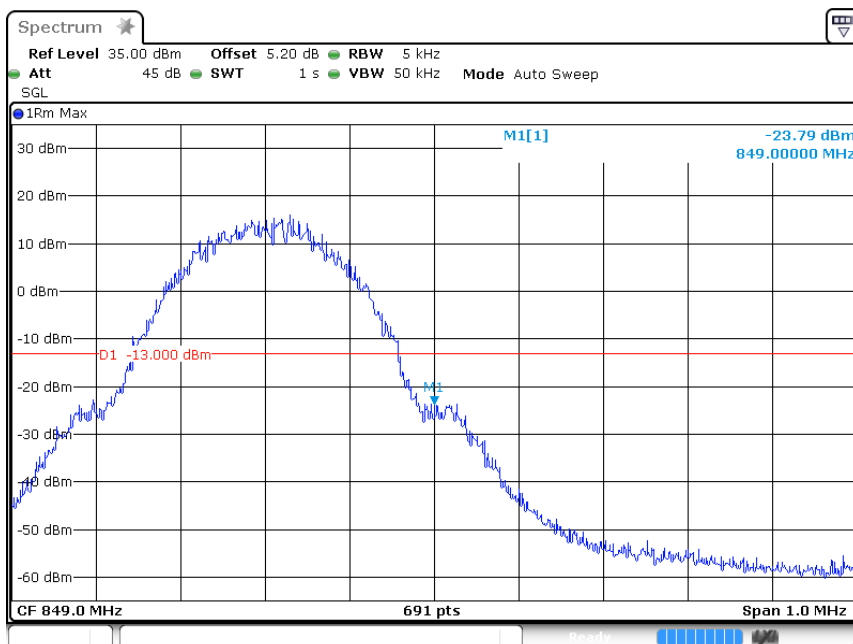
GPRS850_128



Date: 7 AUG 2020 09:44:14

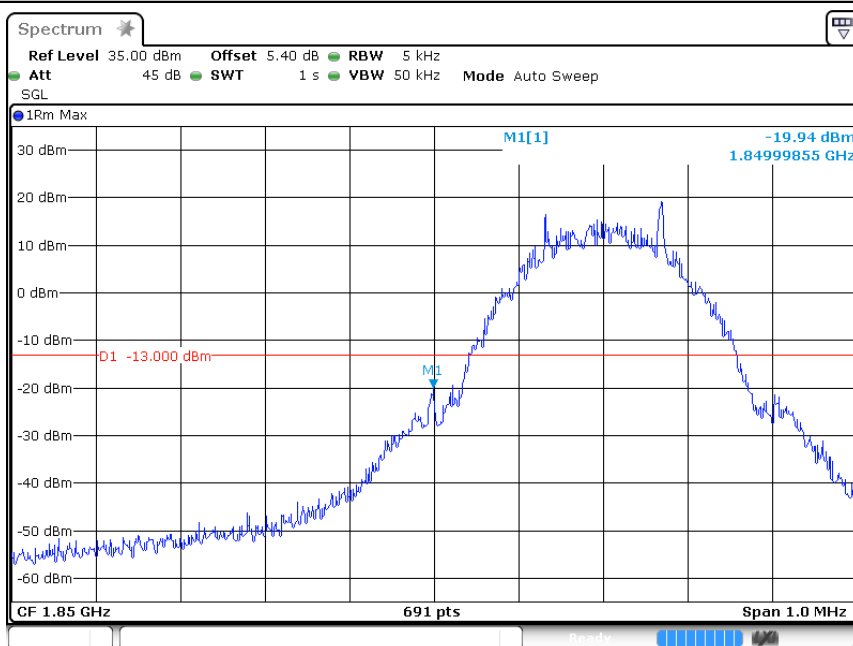


GPRS850_251



Date: 7 AUG 2020 09:44:57

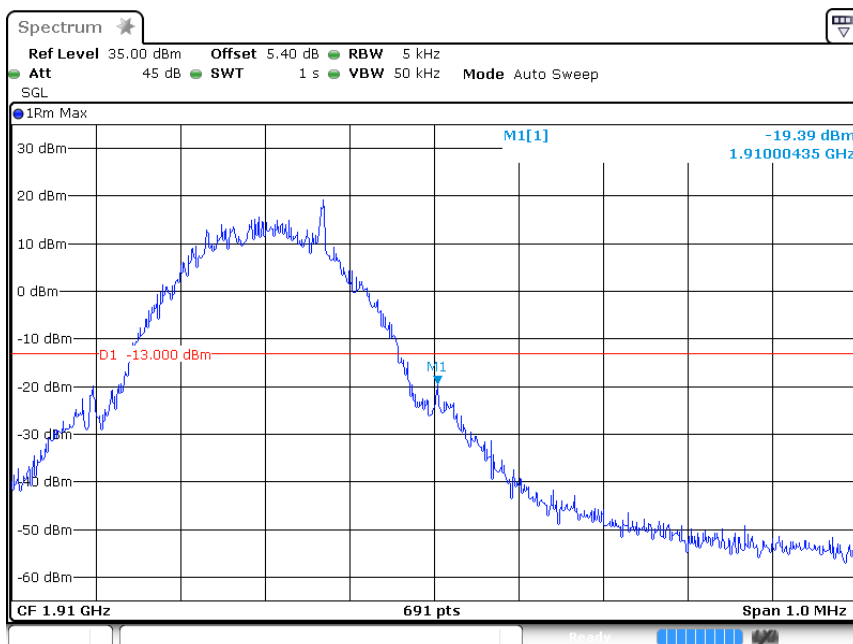
GSM1900_512



Date: 7 AUG 2020 10:21:10

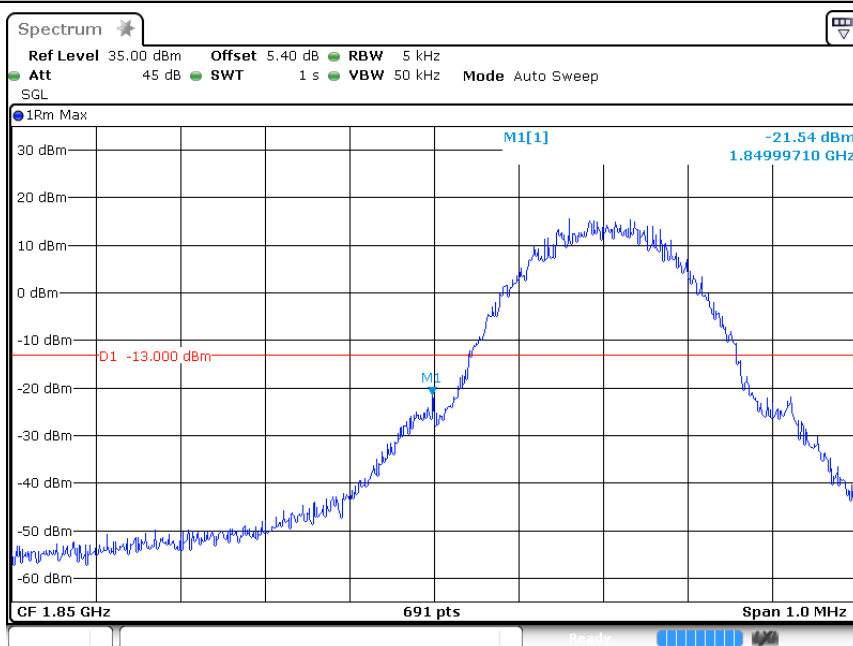


GSM1900_810



Date: 7 AUG 2020 10:21:44

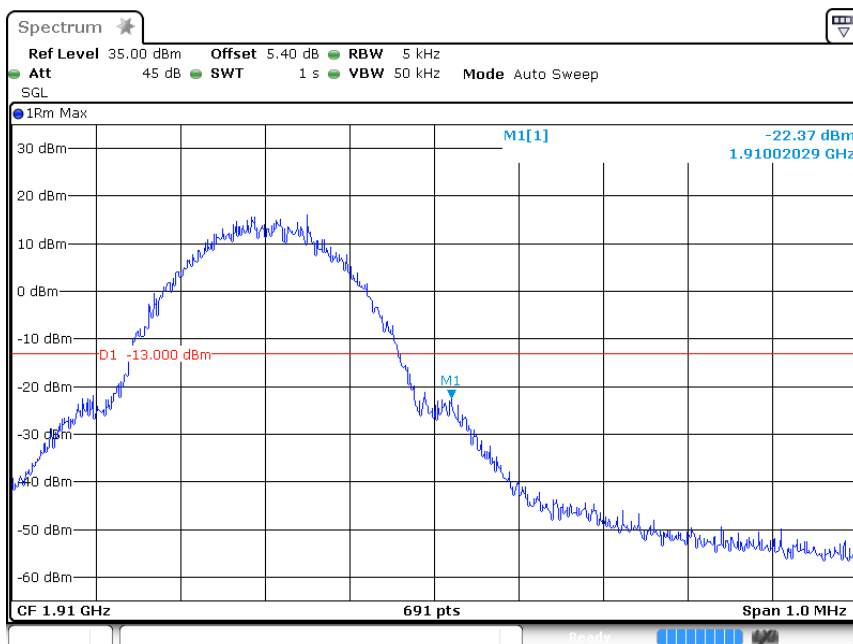
GPRS1900_512



Date: 7 AUG 2020 09:55:49



GPRS1900_810



Date: 7 AUG 2020 09:56:23

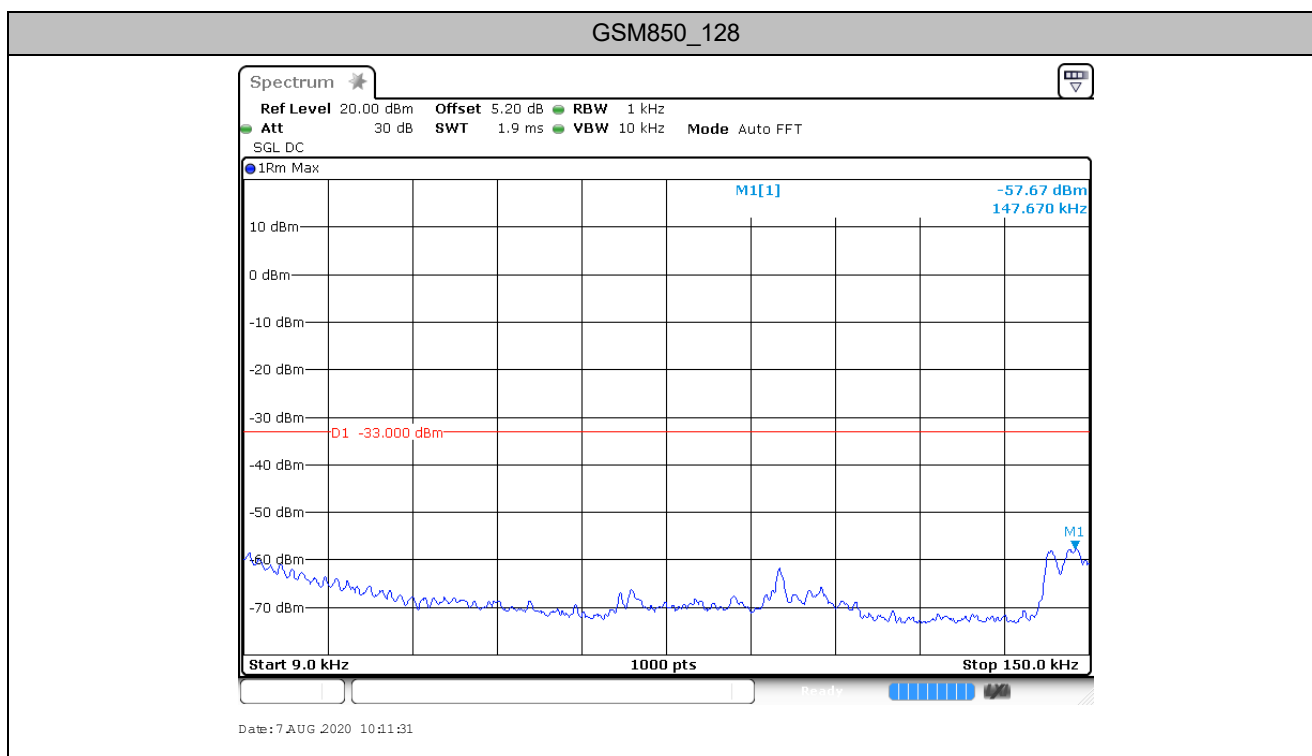


6. Spurious Emission at Antenna Terminal

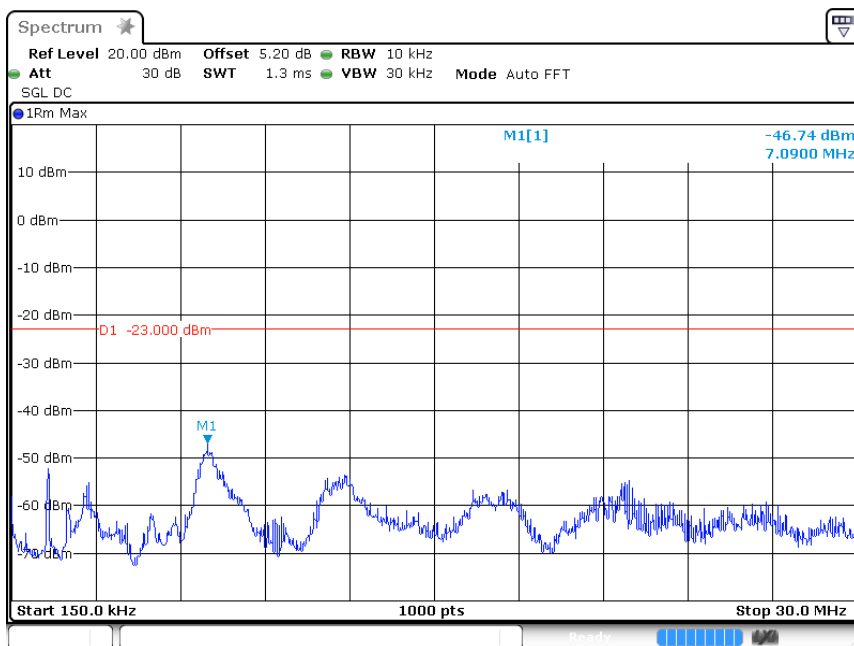
Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (\text{Span} / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

Remark2: only the worst case data displayed in this report.

6.1. Test Plots

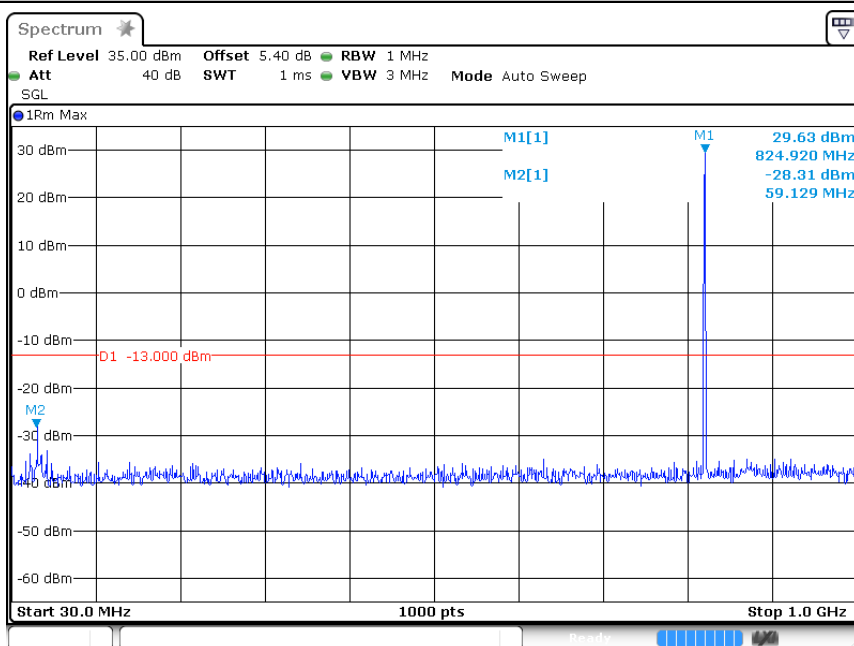


GSM850_128



Date: 7 AUG 2020 10:11:44

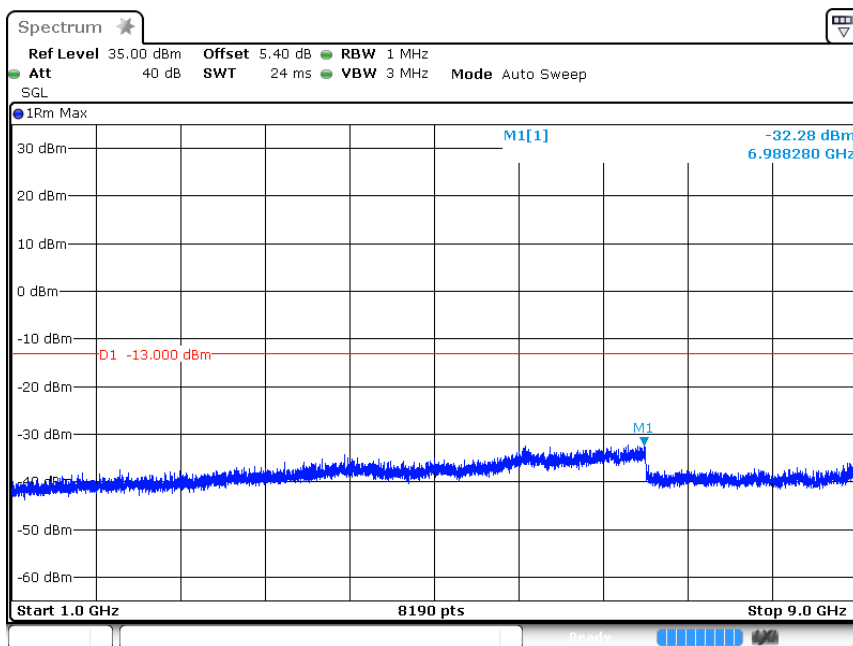
GSM850_128



Date: 7 AUG 2020 10:11:58

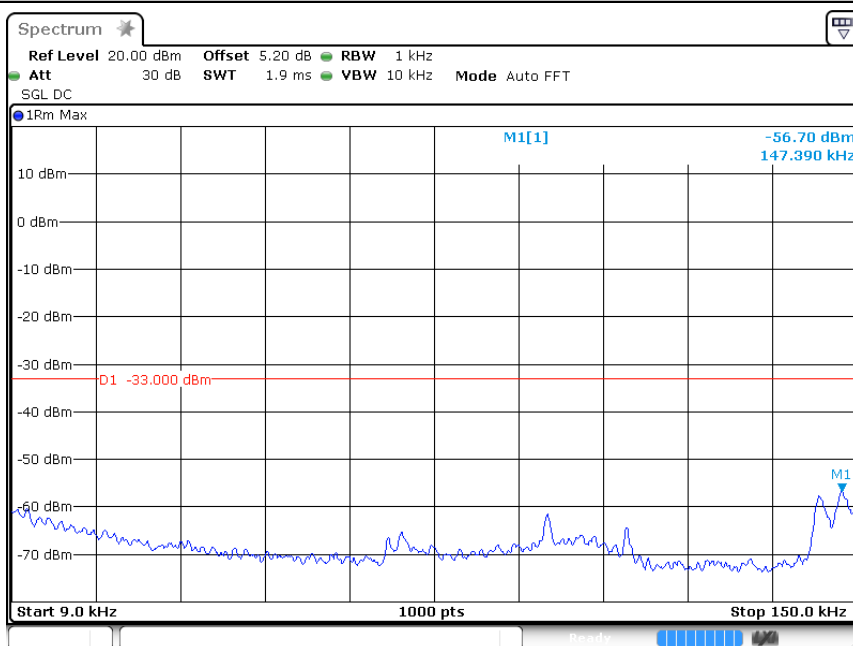


GSM850_128



Date: 7 AUG 2020 10:12:10

GSM850_190



Date: 7 AUG 2020 10:12:30

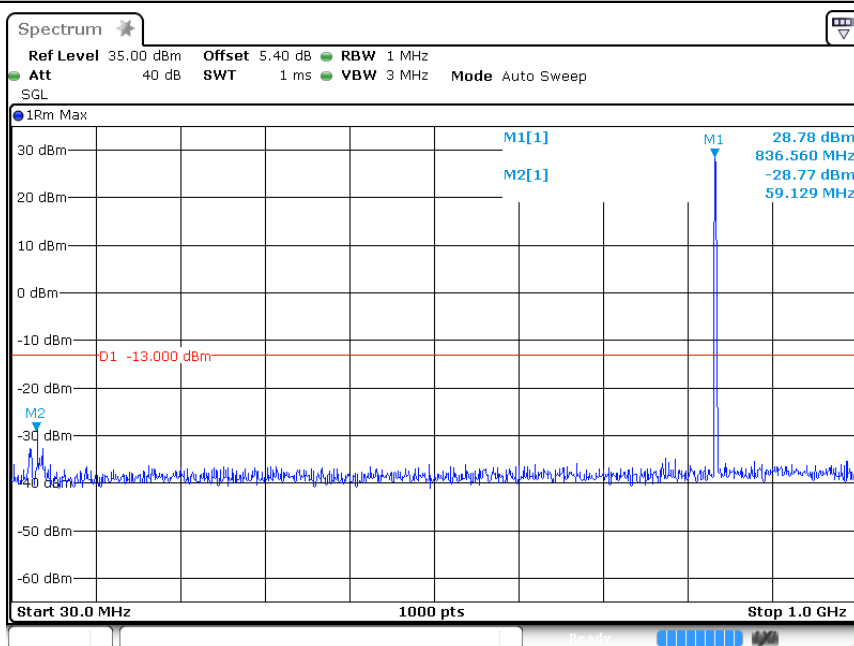


GSM850_190



Date: 7 AUG 2020 10:12:42

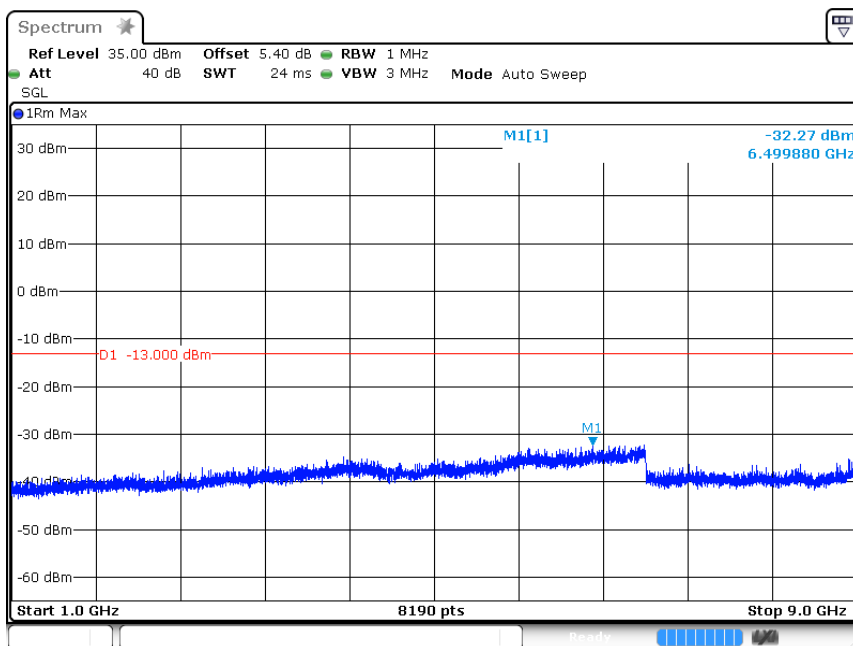
GSM850_190



Date: 7 AUG 2020 10:12:56

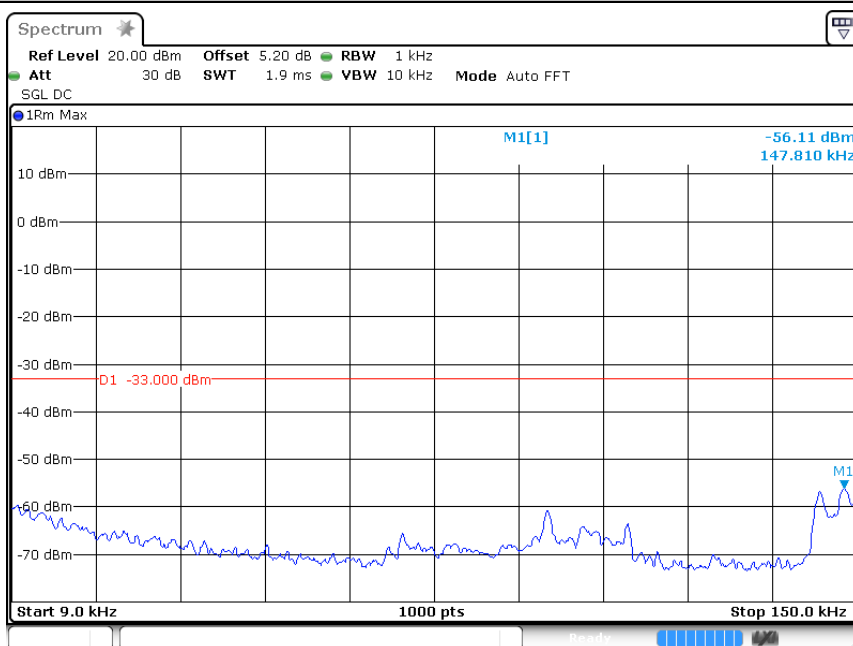


GSM850_190



Date: 7 AUG 2020 10:13:09

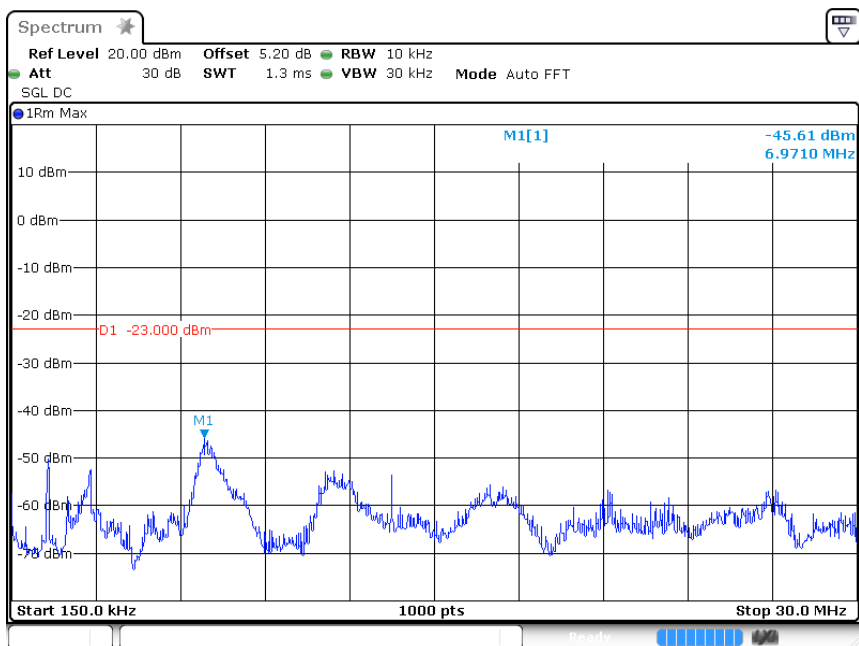
GSM850_251



Date: 7 AUG 2020 10:13:28

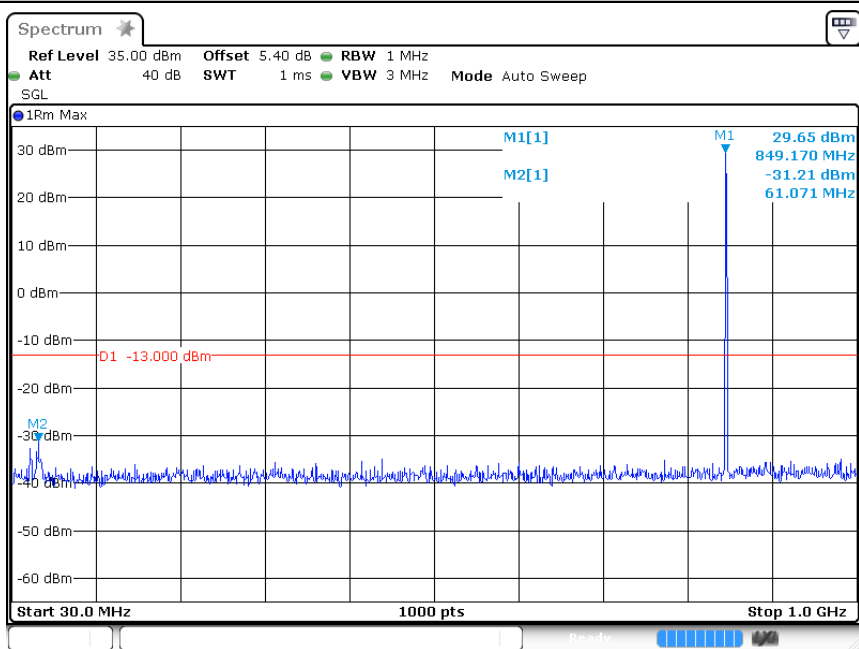


GSM850_251



Date: 7 AUG 2020 10:13:41

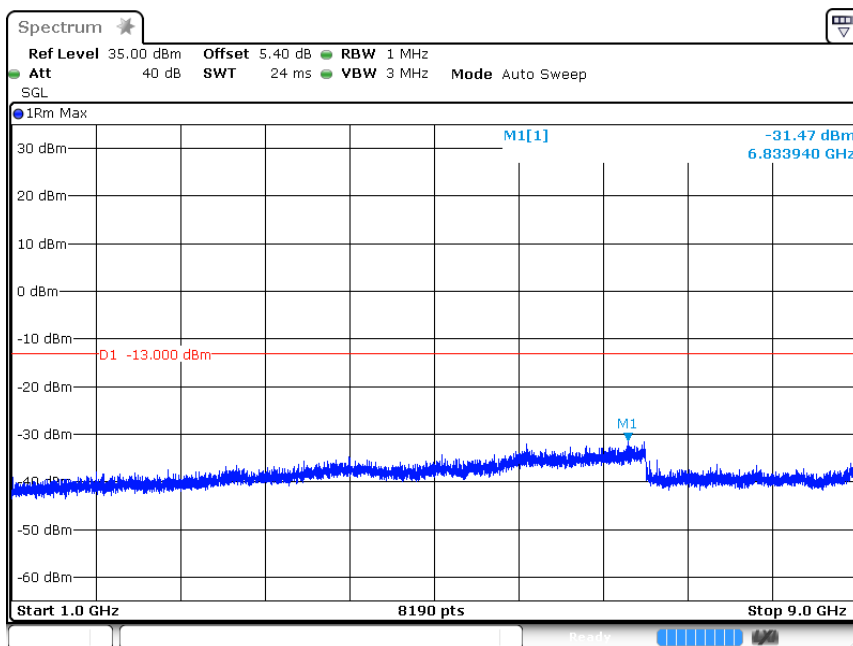
GSM850_251



Date: 7 AUG 2020 10:13:55

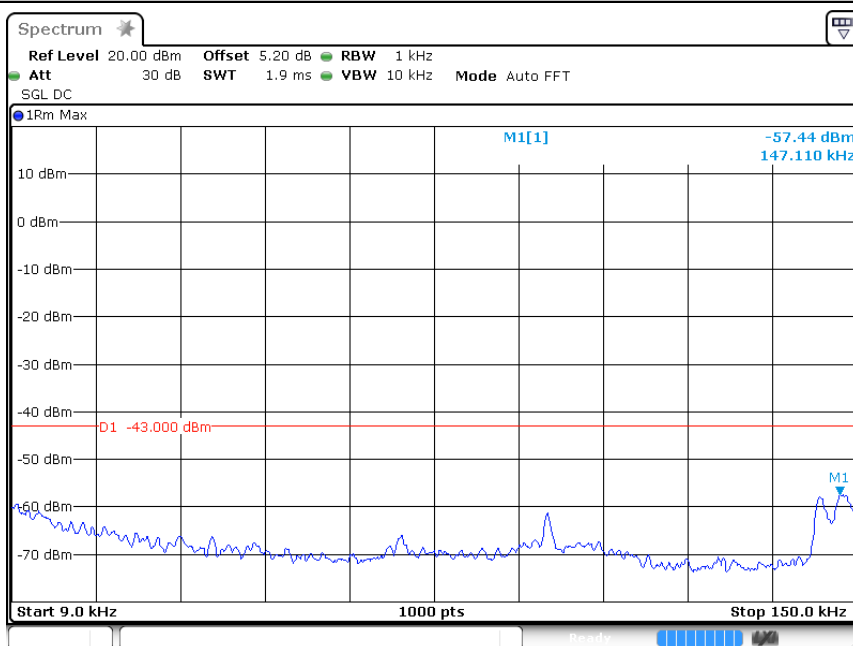


GSM850_251



Date: 7 AUG 2020 10:14:07

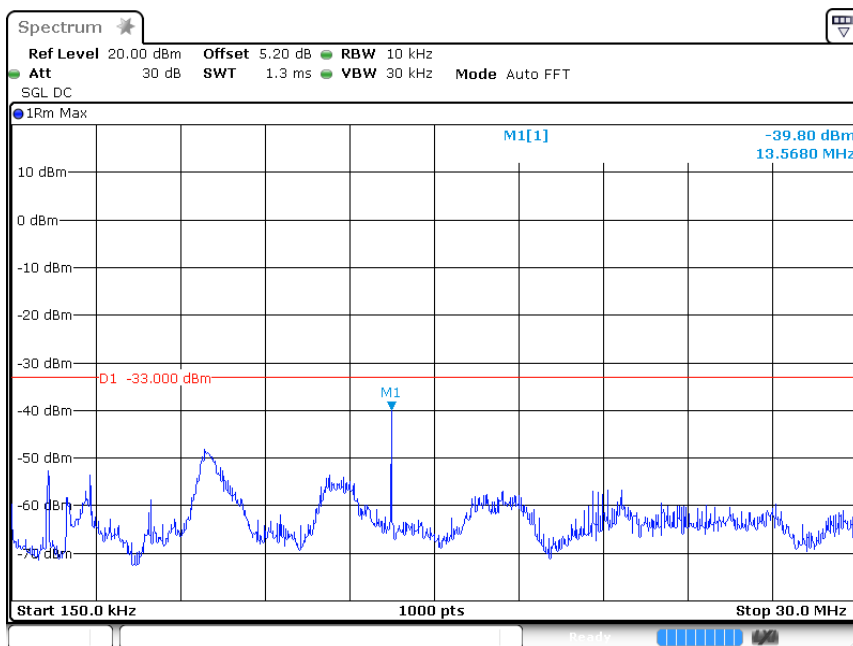
GPRS850_128



Date: 7 AUG 2020 09:46:03

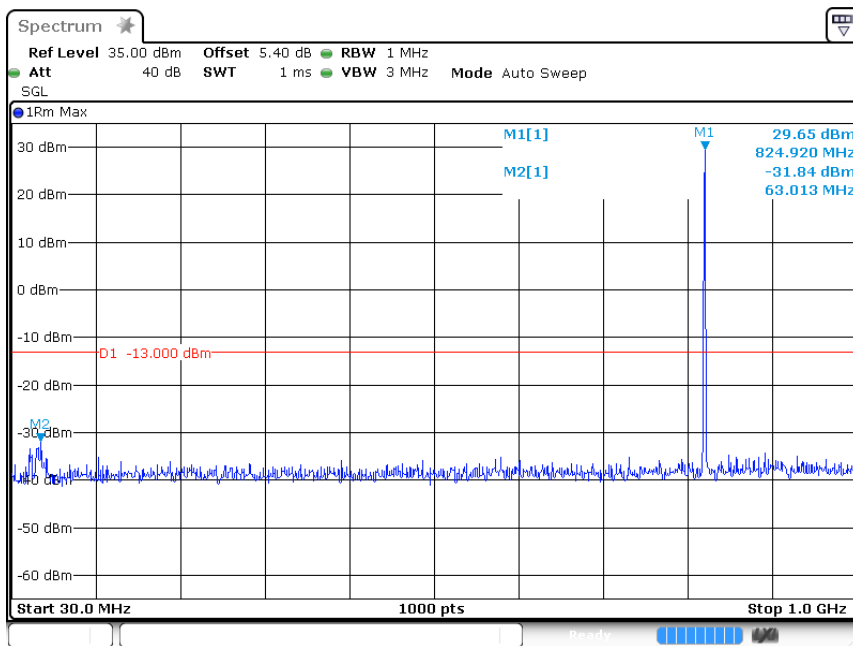


GPRS850_128



Date: 7 AUG 2020 09:46:14

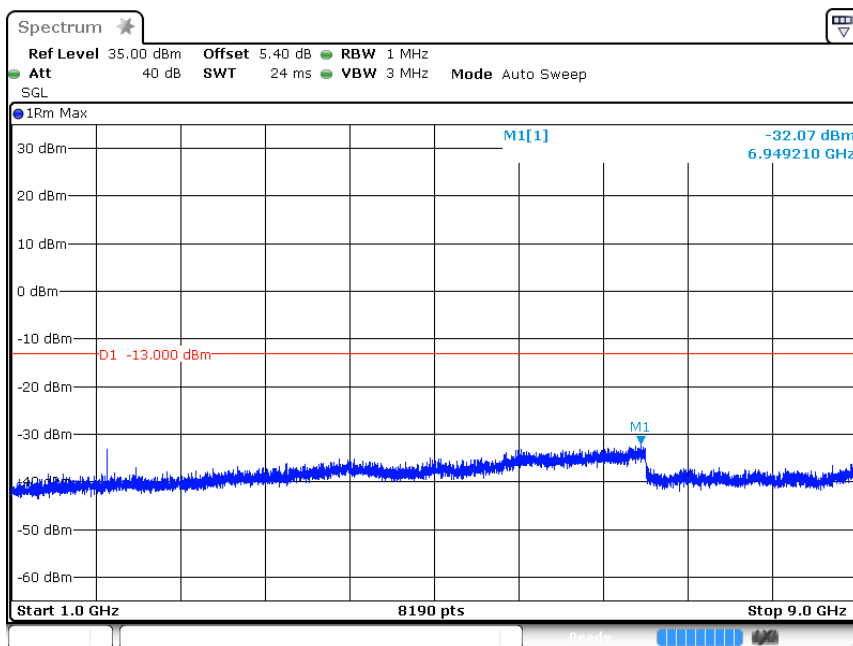
GPRS850_128



Date: 7 AUG 2020 09:46:27

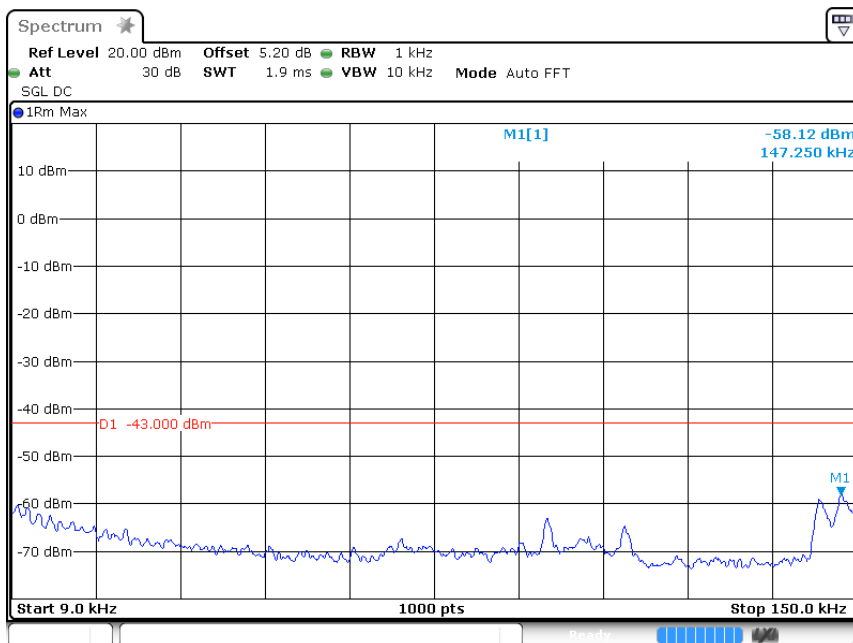


GPRS850_128



Date: 7 AUG 2020 09:46:39

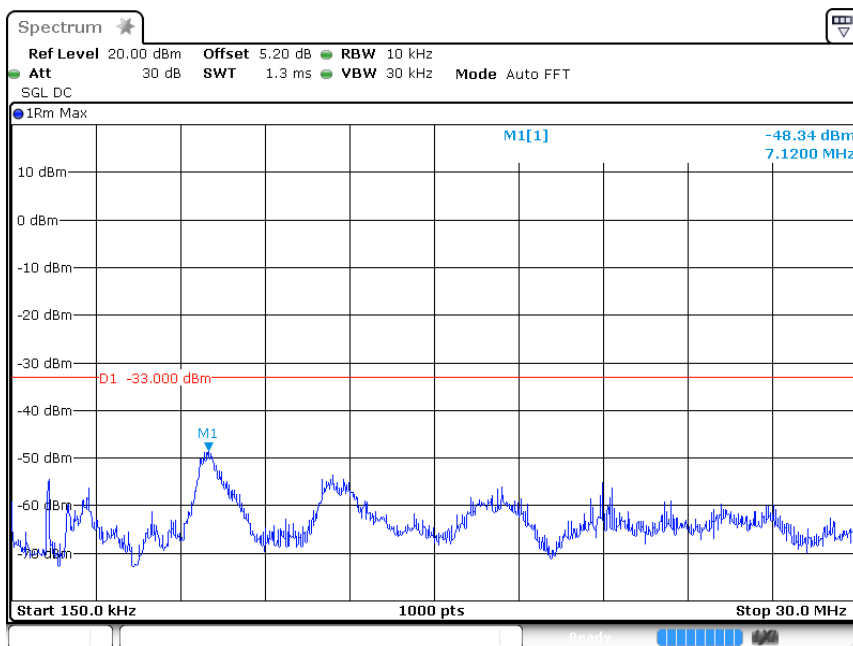
GPRS850_190



Date: 7 AUG 2020 09:47:07

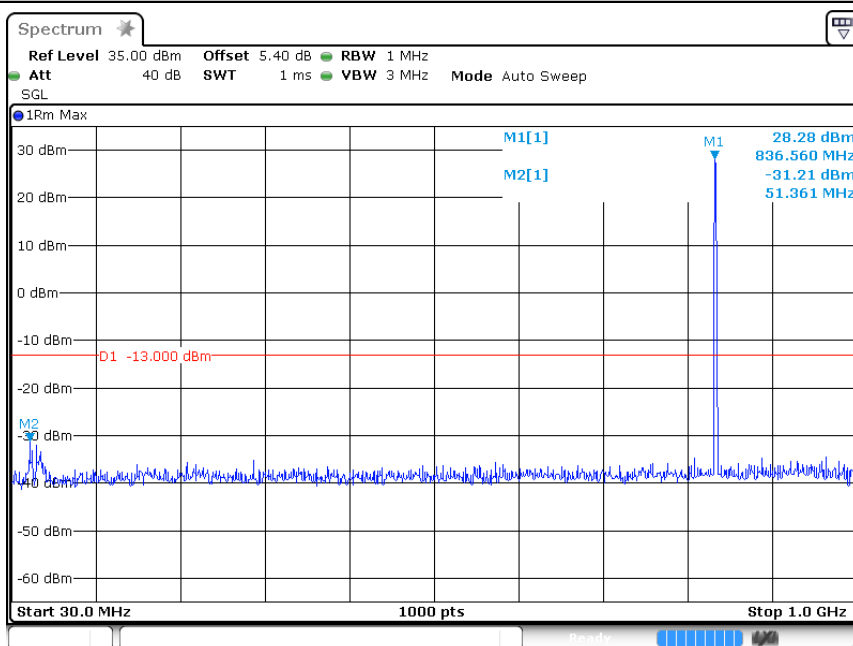


GPRS850_190



Date: 7 AUG 2020 09:47:19

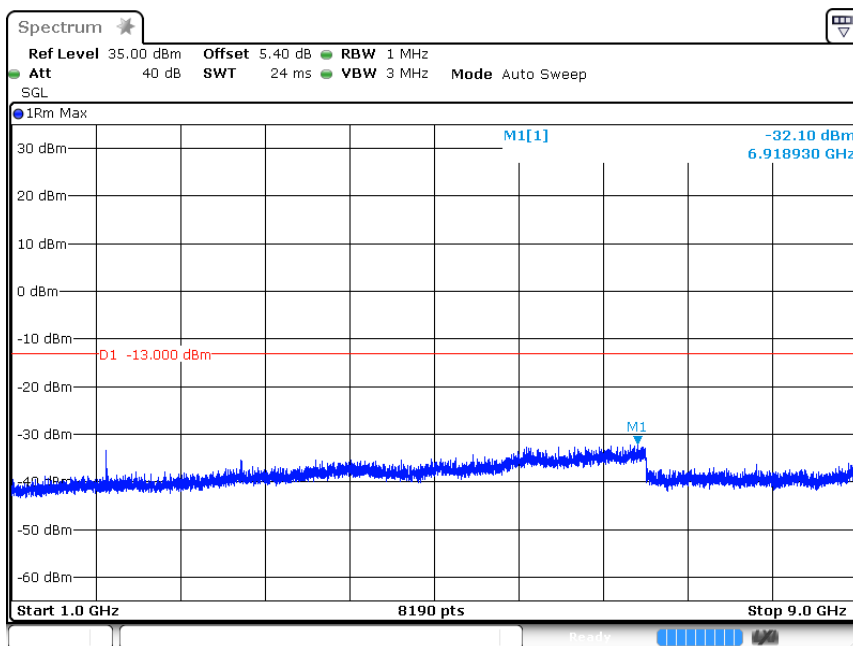
GPRS850_190



Date: 7 AUG 2020 09:47:31

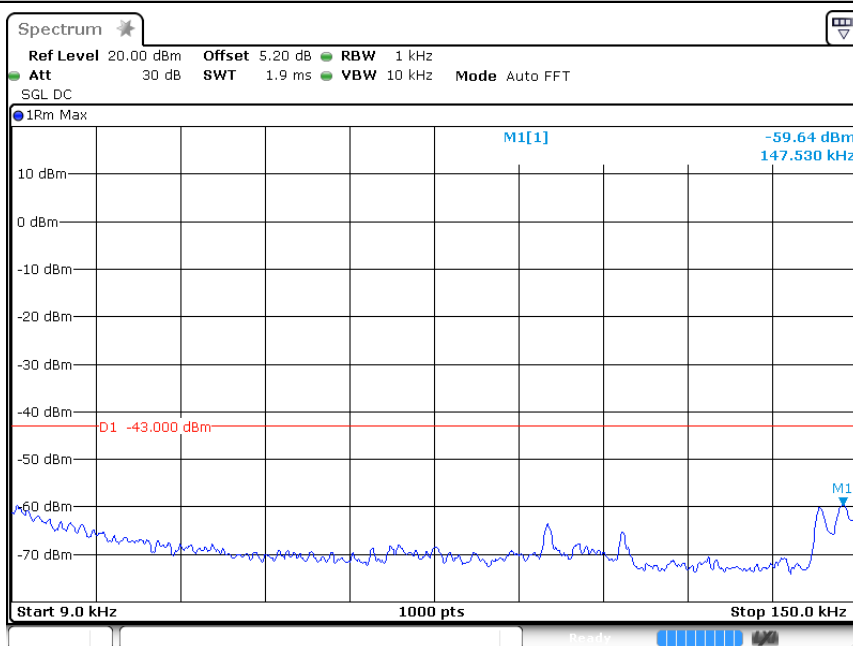


GPRS850_190



Date: 7 AUG 2020 09:47:43

GPRS850_251



Date: 7 AUG 2020 09:47:58

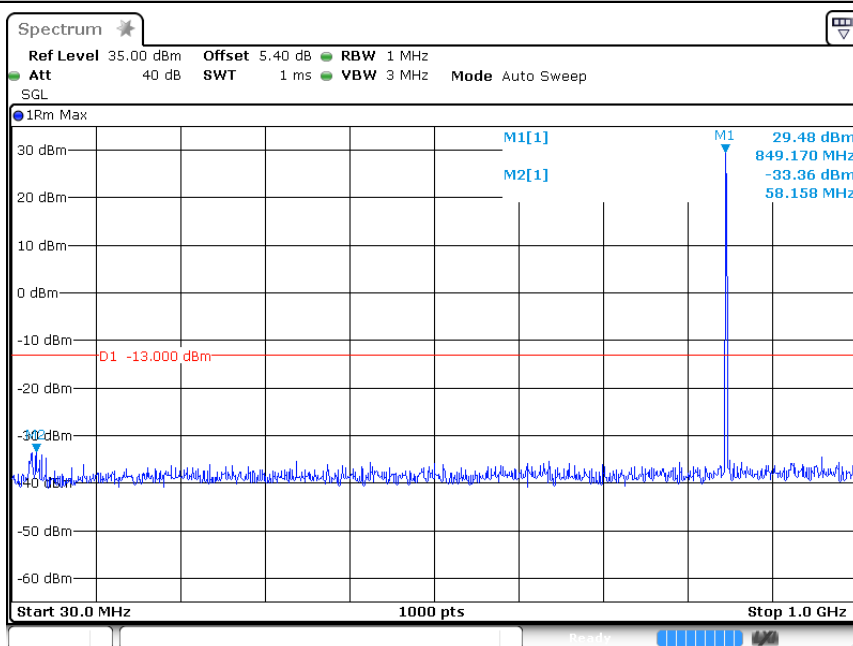


GPRS850_251



Date: 7 AUG 2020 09:48:09

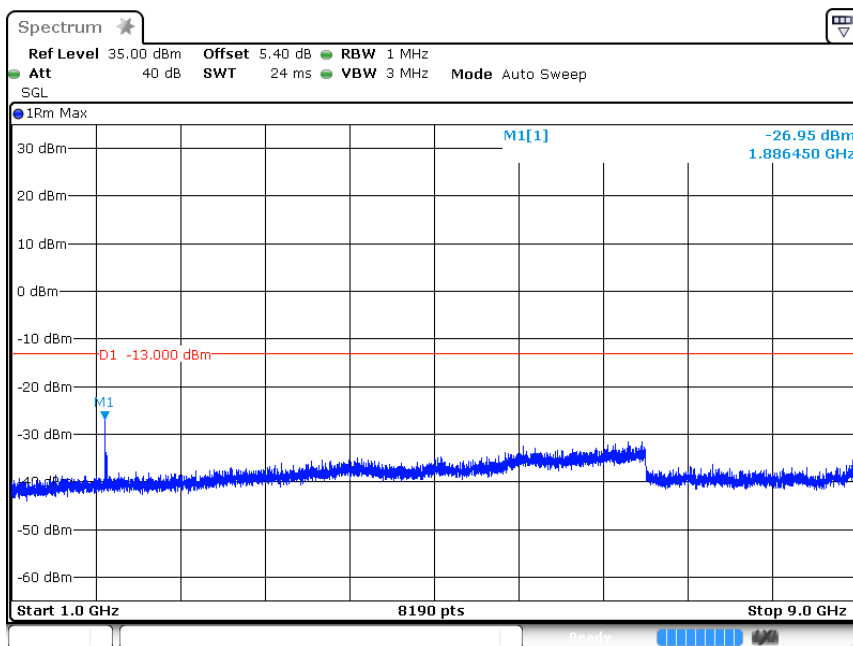
GPRS850_251



Date: 7 AUG 2020 09:48:22

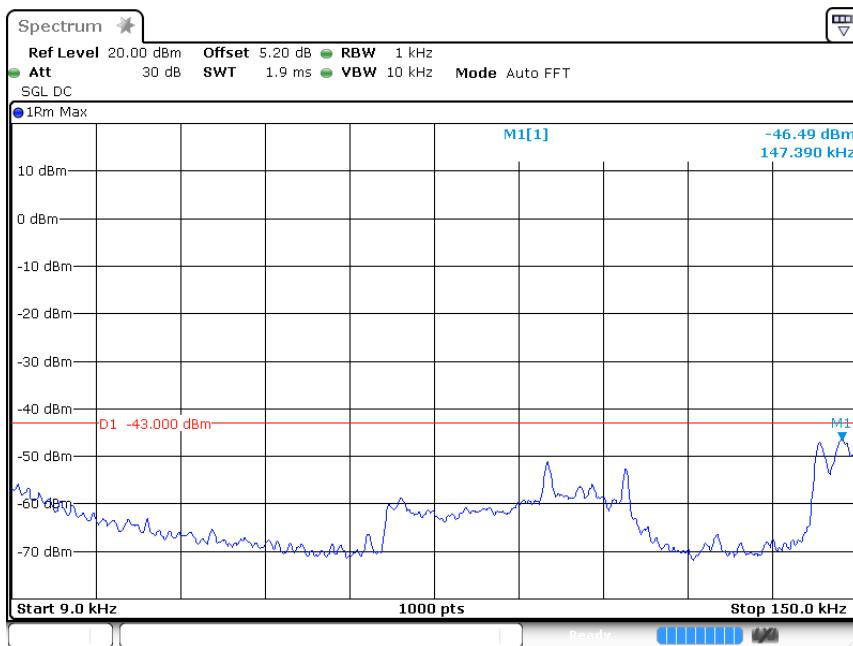


GPRS850_251



Date: 7 AUG 2020 09:48:34

GSM1900_512



Date: 7 AUG 2020 10:22:12

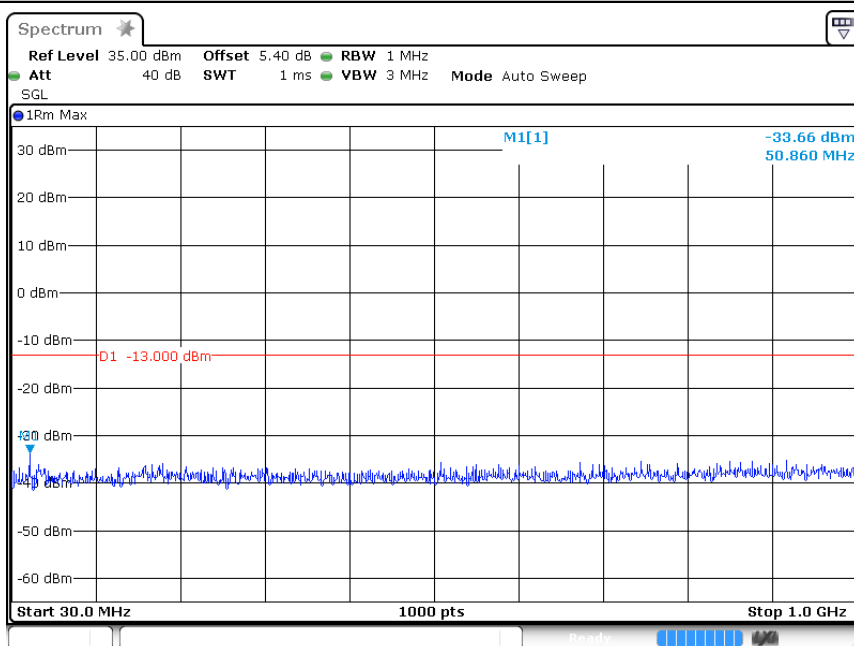


GSM1900_512



Date: 7 AUG 2020 10:22:24

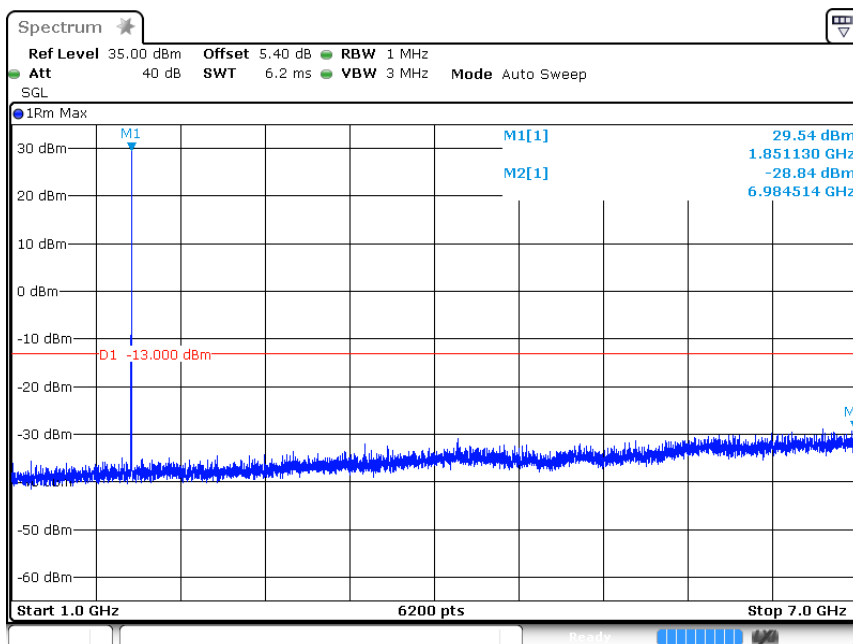
GSM1900_512



Date: 7 AUG 2020 10:22:37

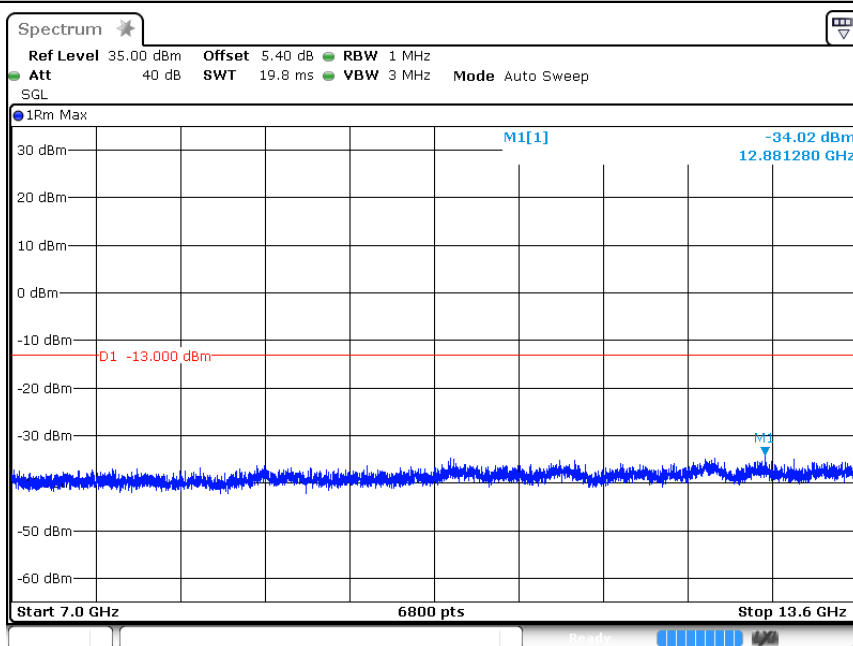


GSM1900_512



Date: 7 AUG 2020 10:22:50

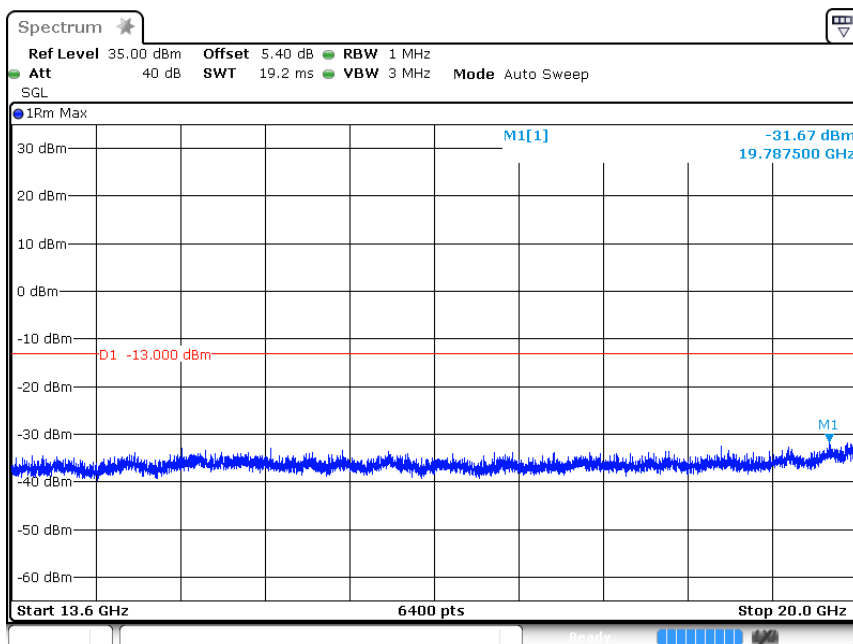
GSM1900_512



Date: 7 AUG 2020 10:23:03

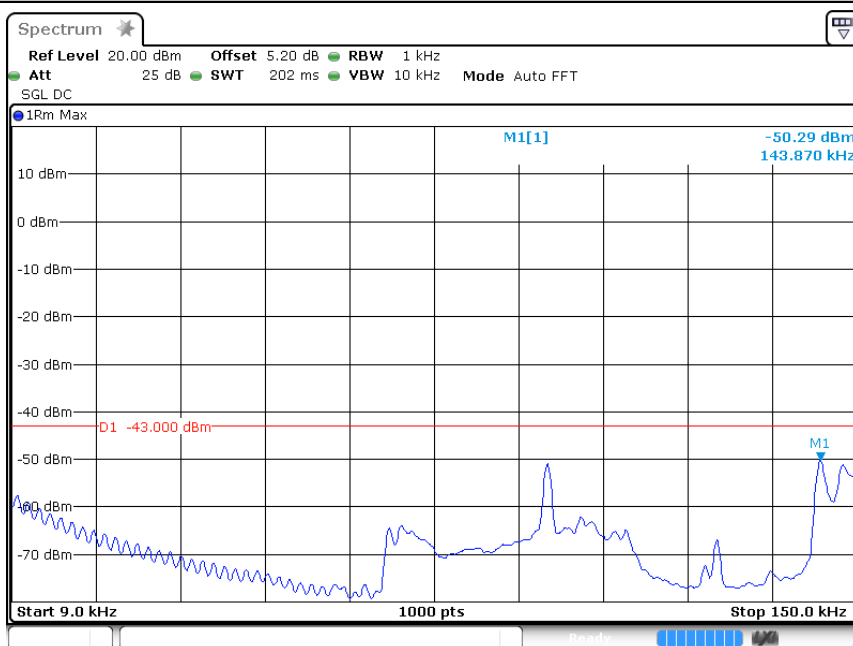


GSM1900_512



Date: 7 AUG 2020 10:23:15

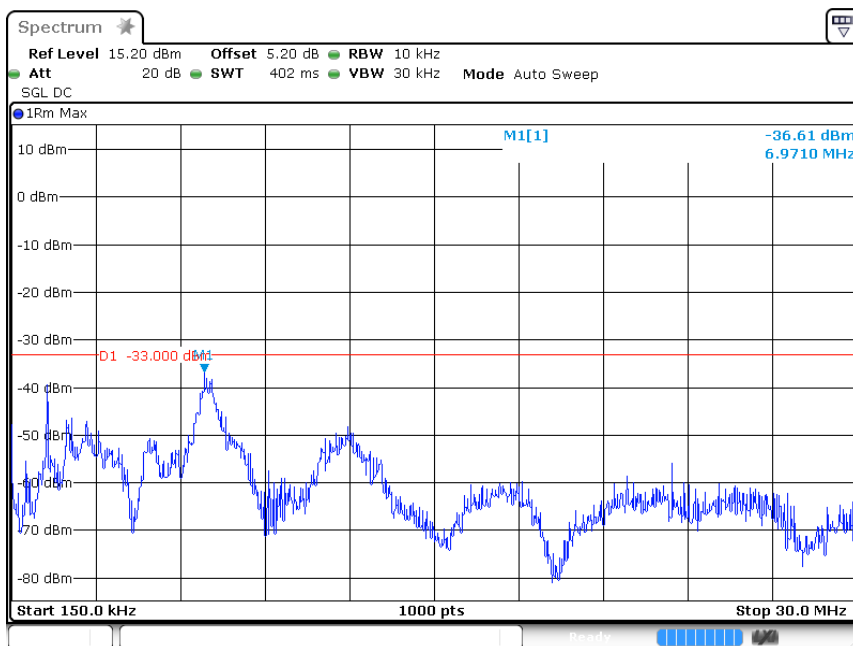
GSM1900_661



Date: 7 AUG 2020 10:23:42

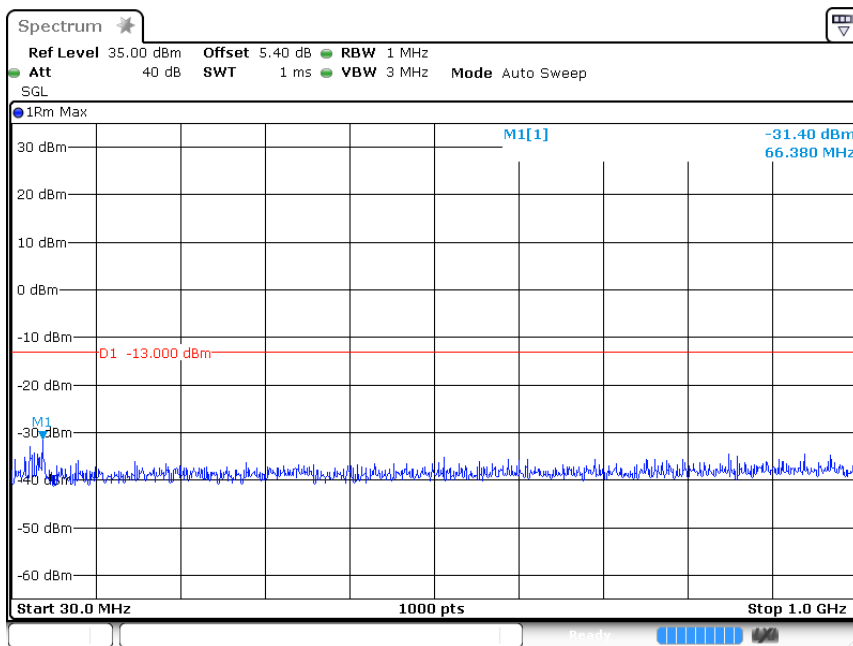


GSM1900_661



Date: 7 AUG 2020 10:24:10

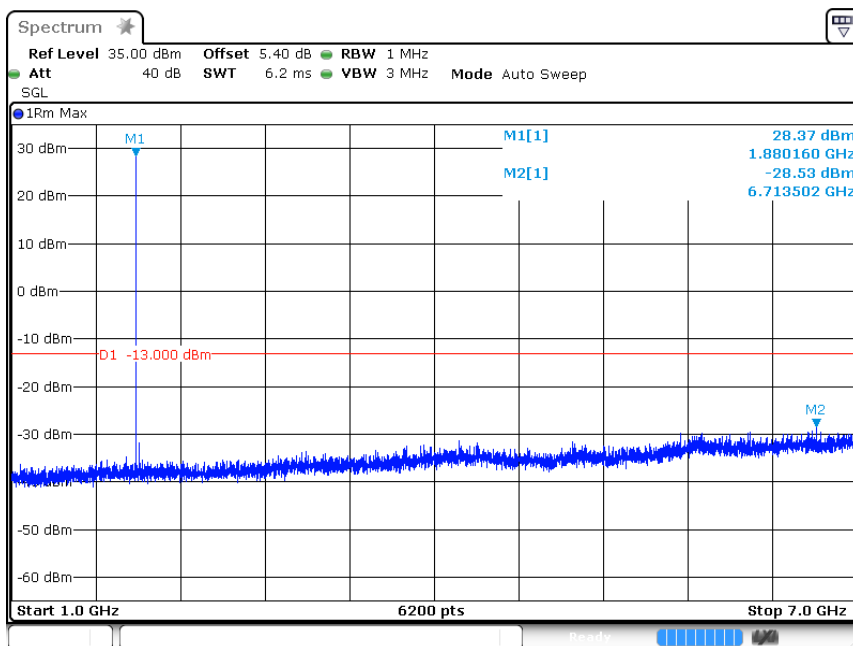
GSM1900_661



Date: 7 AUG 2020 10:24:23

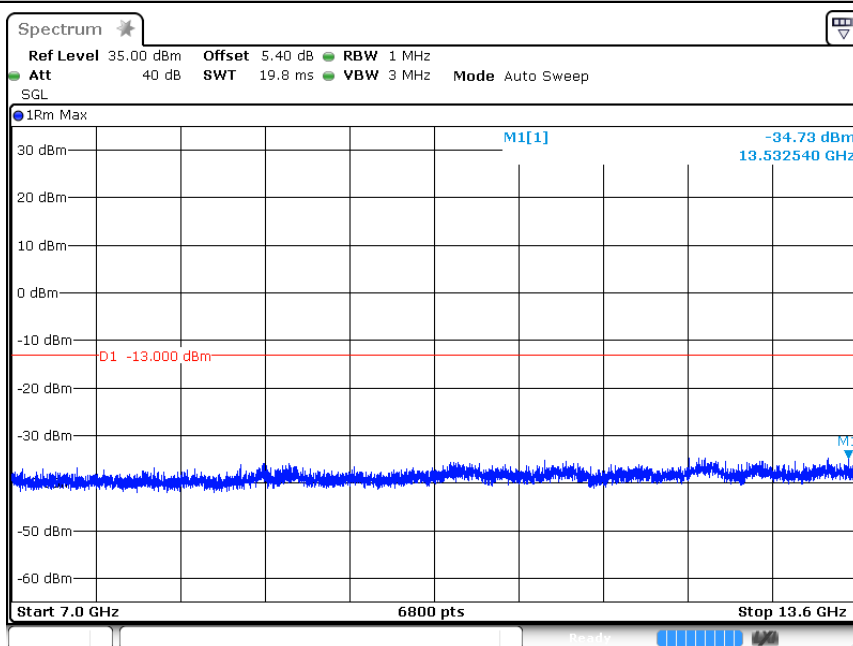


GSM1900_661



Date: 7 AUG 2020 10:24:36

GSM1900_661



Date: 7 AUG 2020 10:24:49

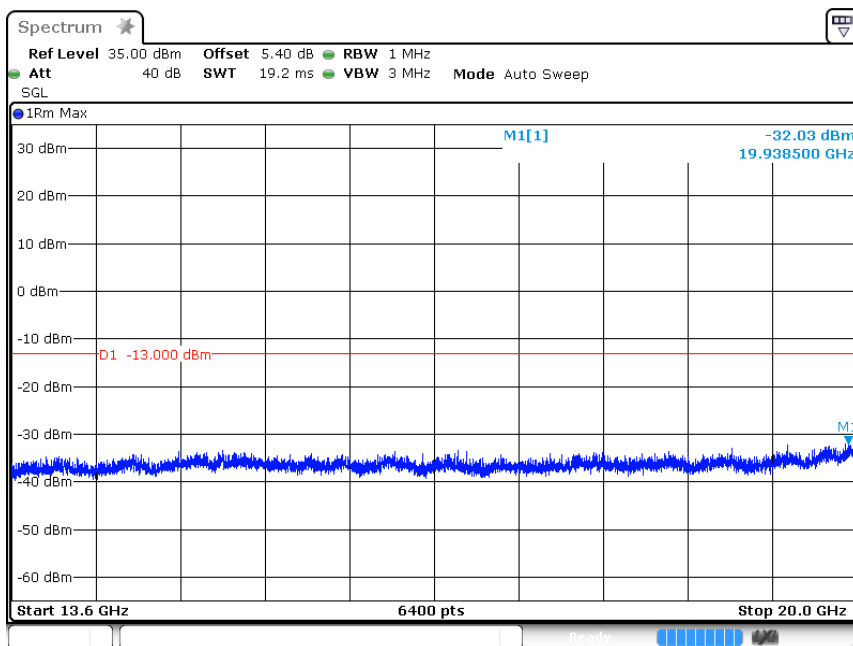


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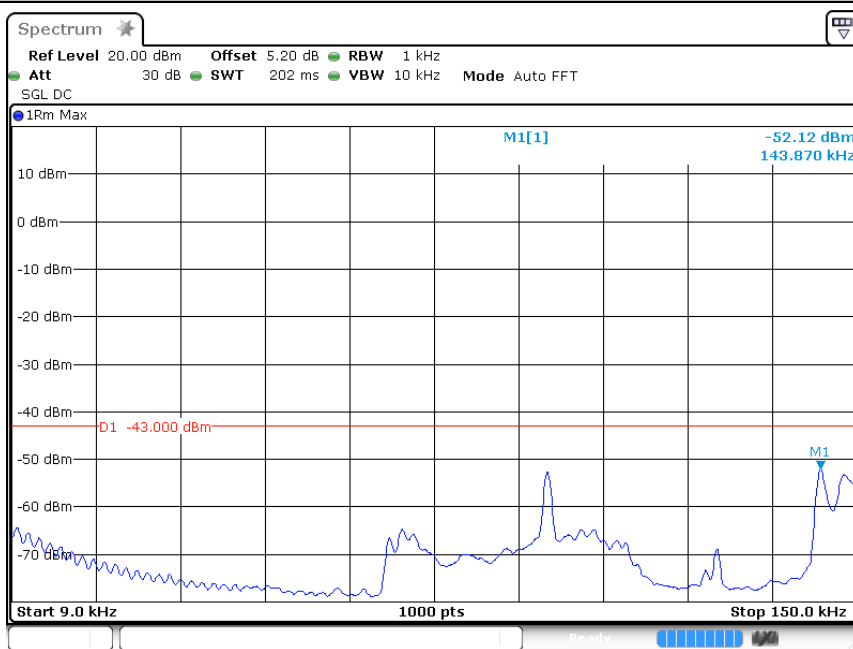
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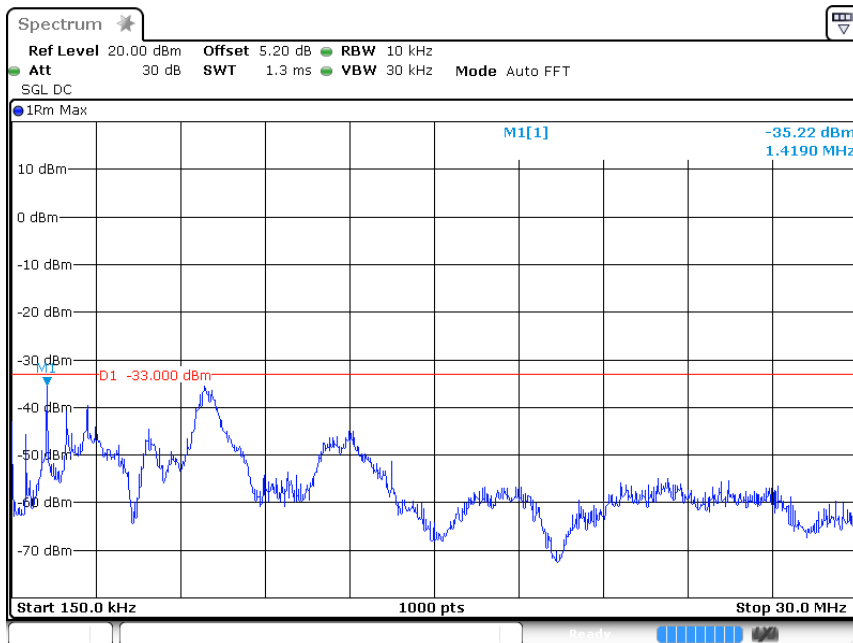
GSM1900_661



GSM1900_810

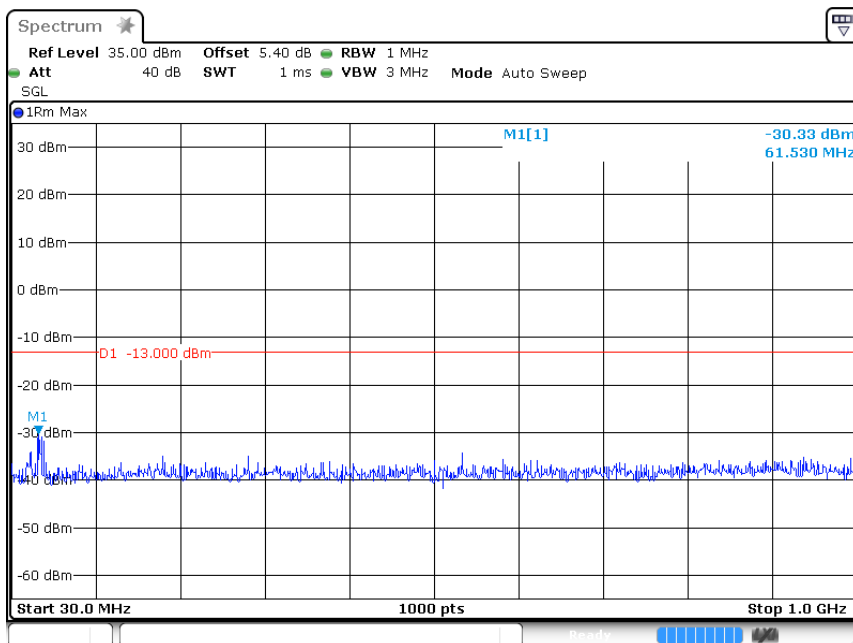


GSM1900_810



Date: 7 AUG 2020 10:25:48

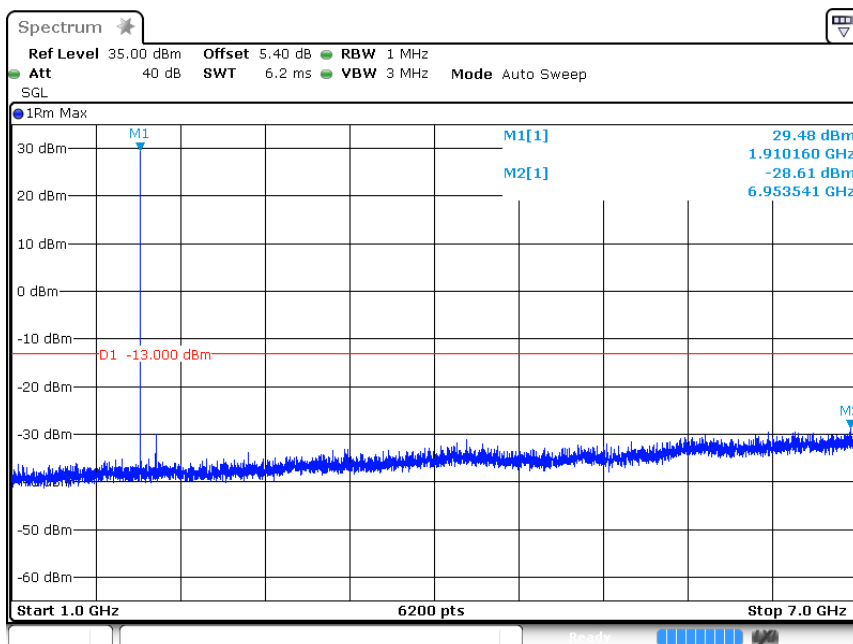
GSM1900_810



Date: 7 AUG 2020 10:26:01

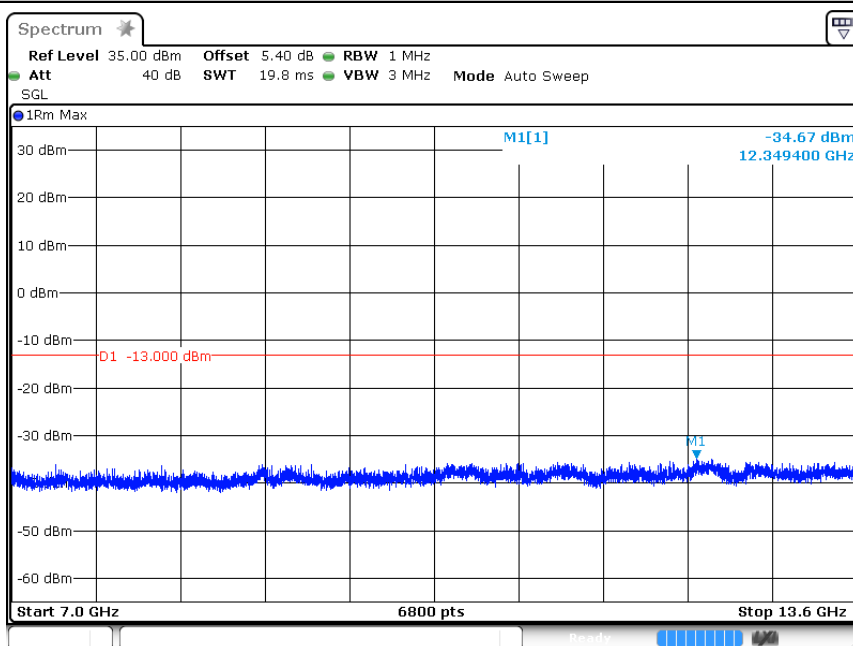


GSM1900_810



Date: 7 AUG 2020 10:26:14

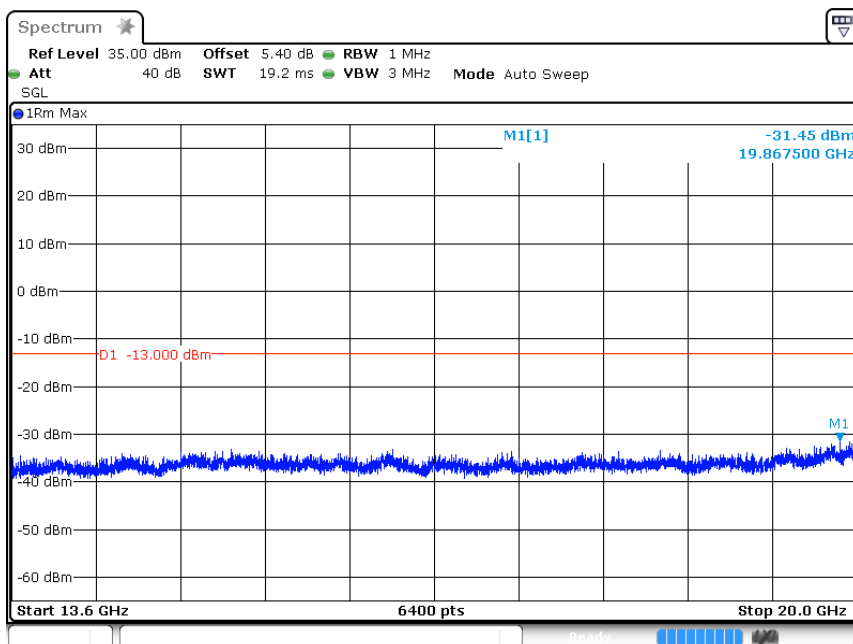
GSM1900_810



Date: 7 AUG 2020 10:26:27

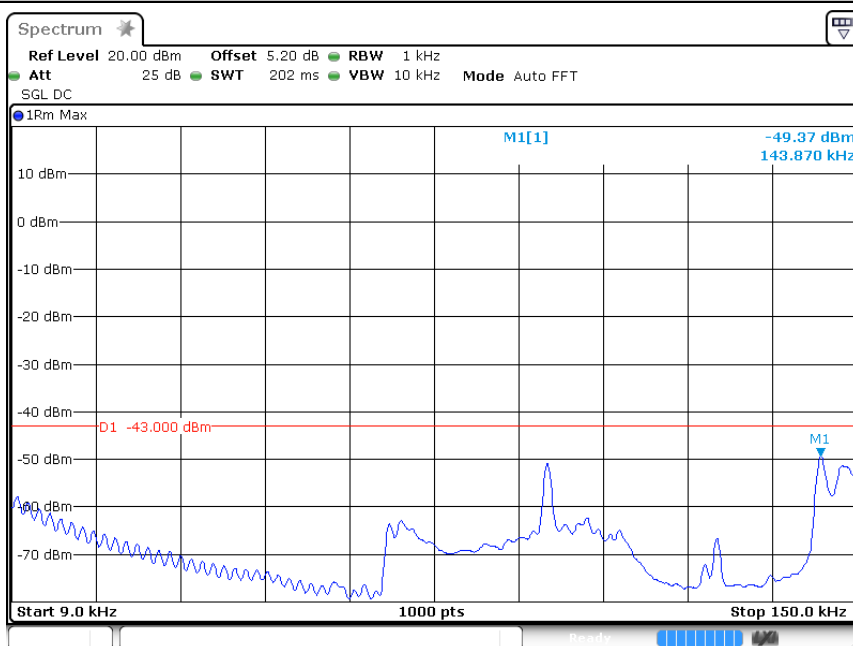


GSM1900_810



Date: 7 AUG 2020 10:26:40

GPRS1900_512



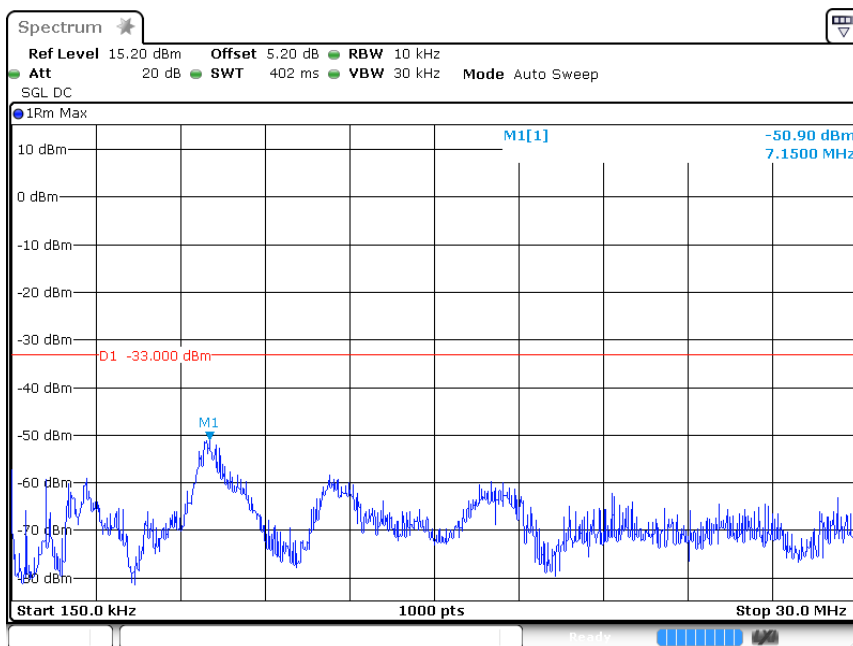
Date: 7 AUG 2020 09:56:55



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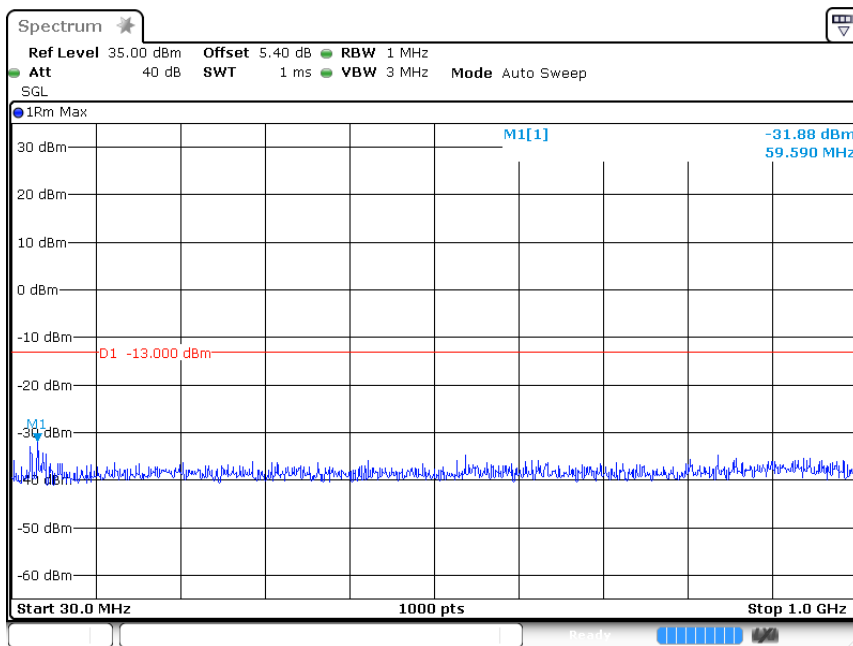
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GPRS1900_512



Date: 7 AUG 2020 09:57:21

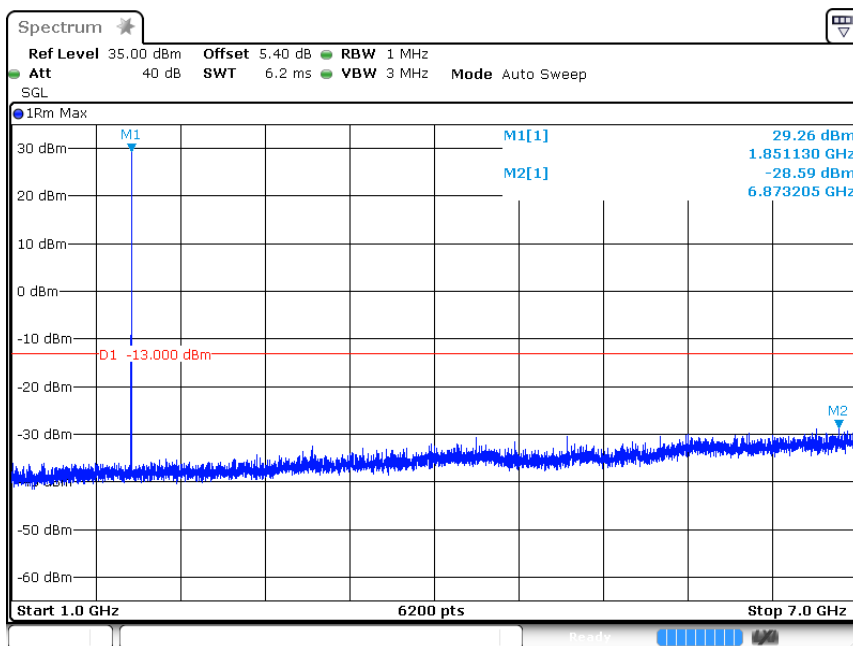
GPRS1900_512



Date: 7 AUG 2020 09:57:32

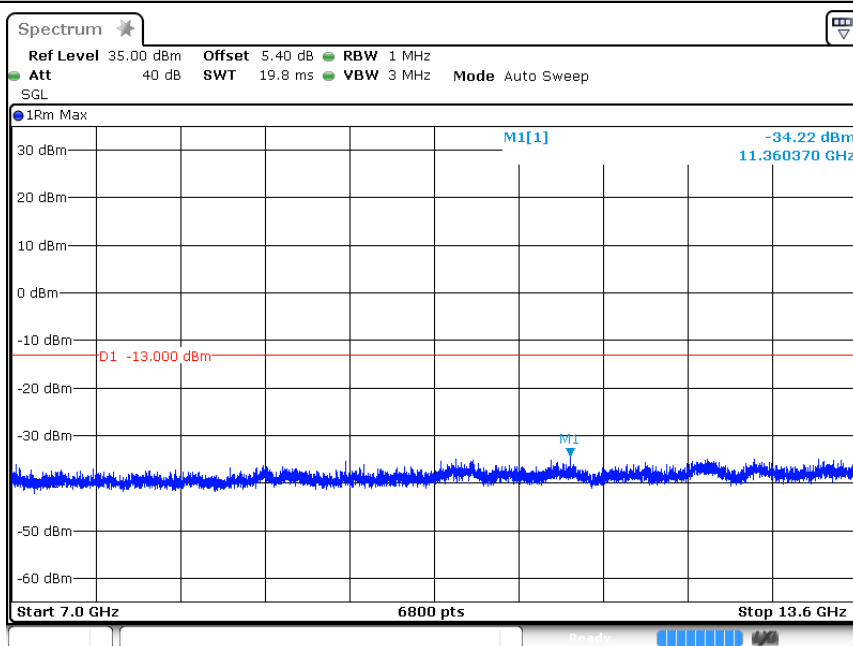


GPRS1900_512



Date: 7 AUG 2020 09:57:45

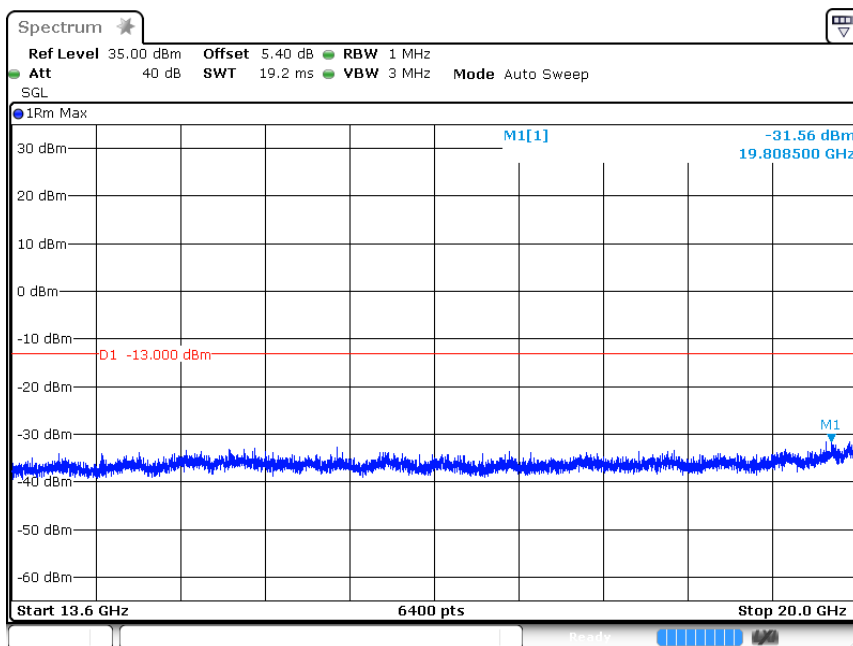
GPRS1900_512



Date: 7 AUG 2020 09:57:56

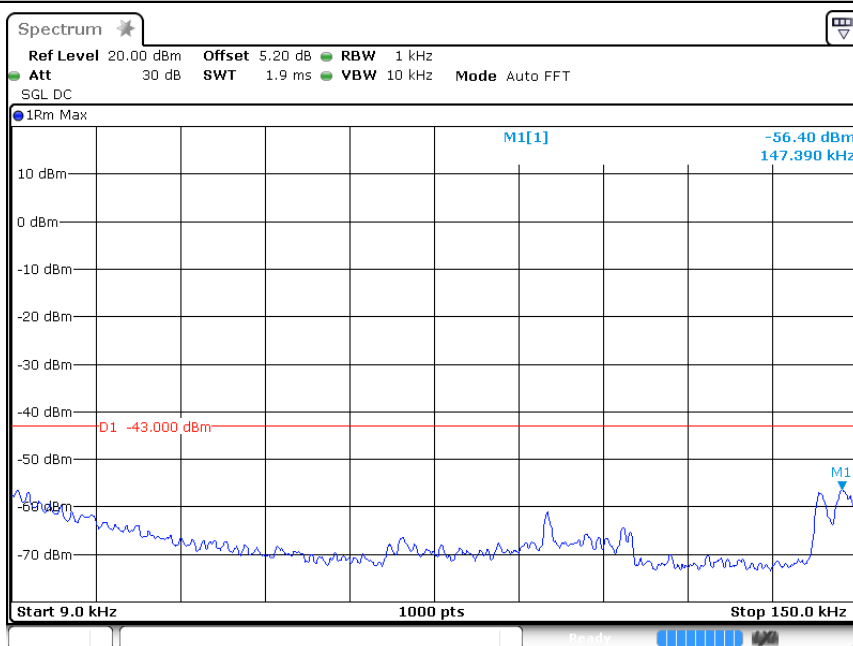


GPRS1900_512



Date: 7 AUG 2020 09:58:08

GPRS1900_661



Date: 7 AUG 2020 09:58:23

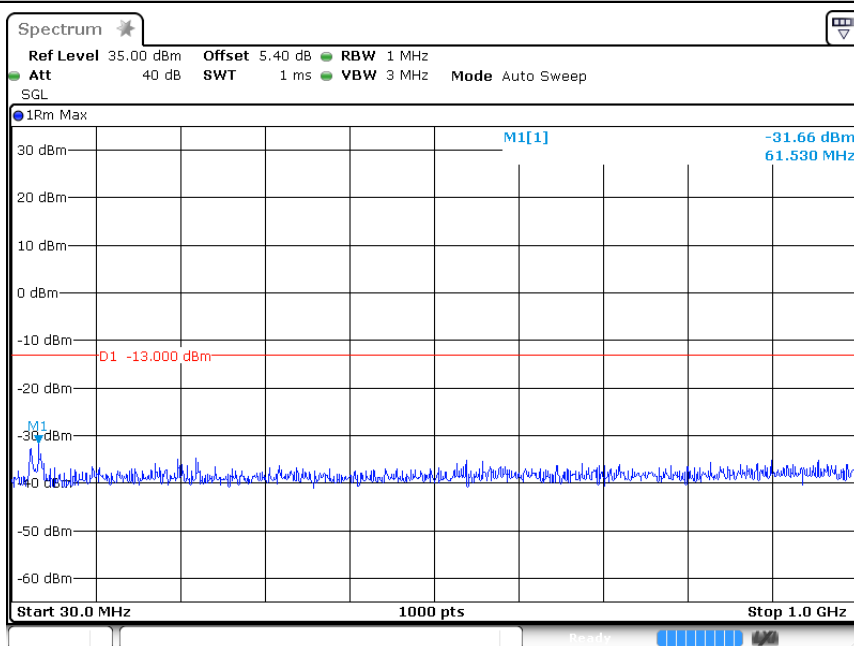


GPRS1900_661



Date: 7 AUG 2020 09:58:34

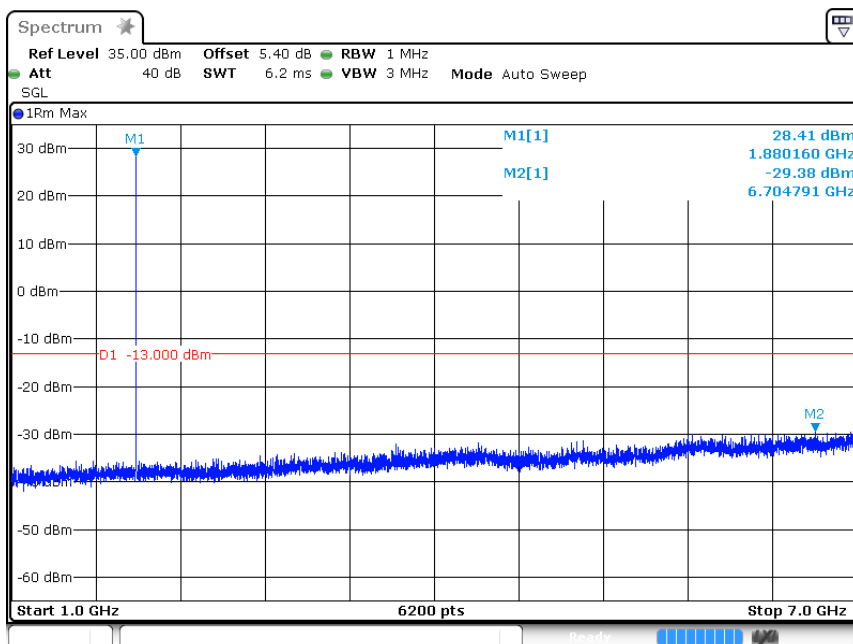
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Date: 7 AUG 2020 09:58:46

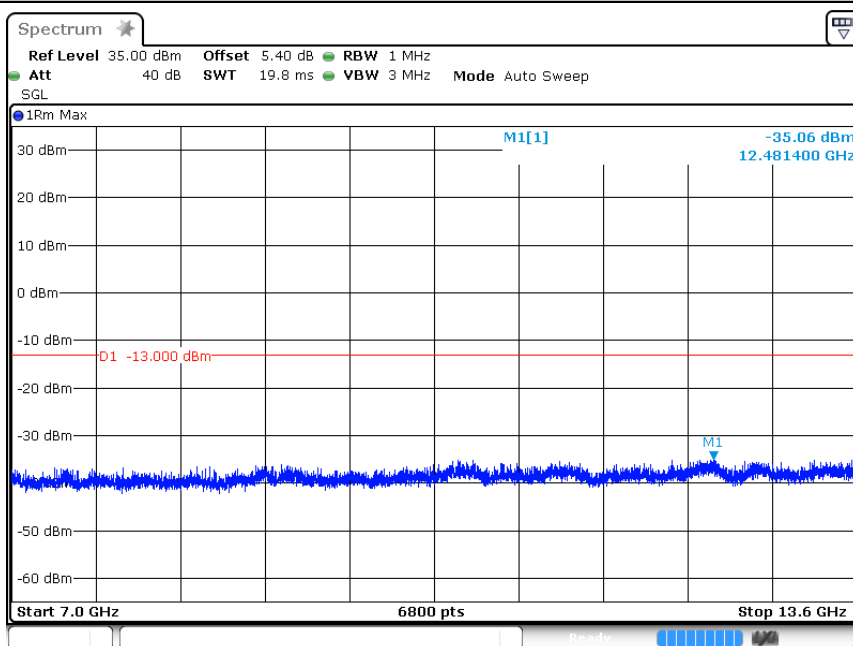


GPRS1900_661



Date: 7 AUG 2020 09:58:58

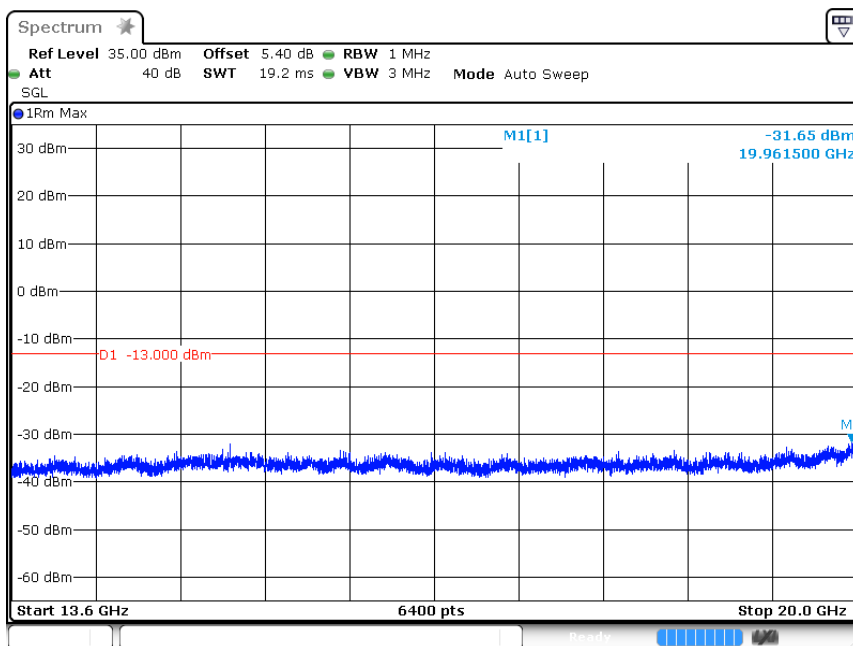
GPRS1900_661



Date: 7 AUG 2020 09:59:10

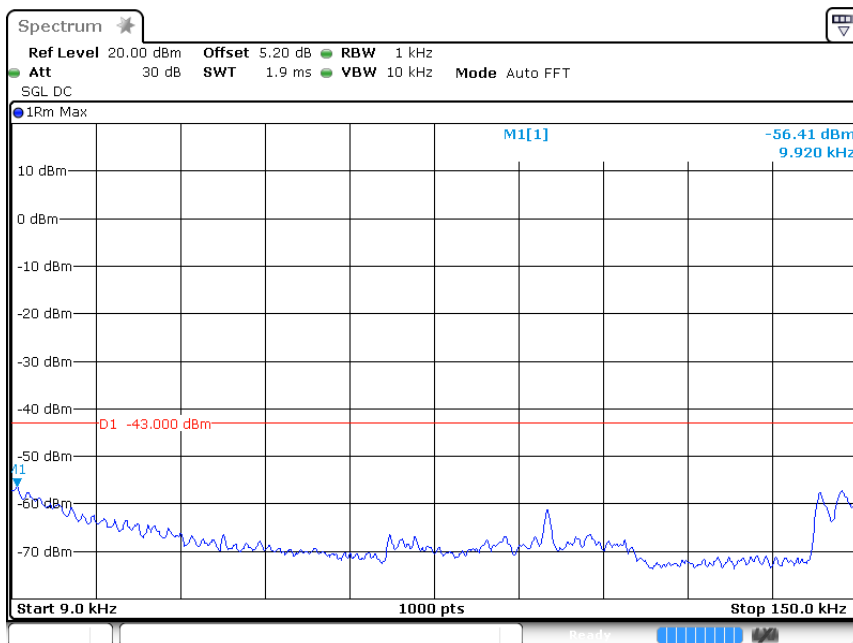


GPRS1900_661



Date: 7 AUG 2020 09:59:22

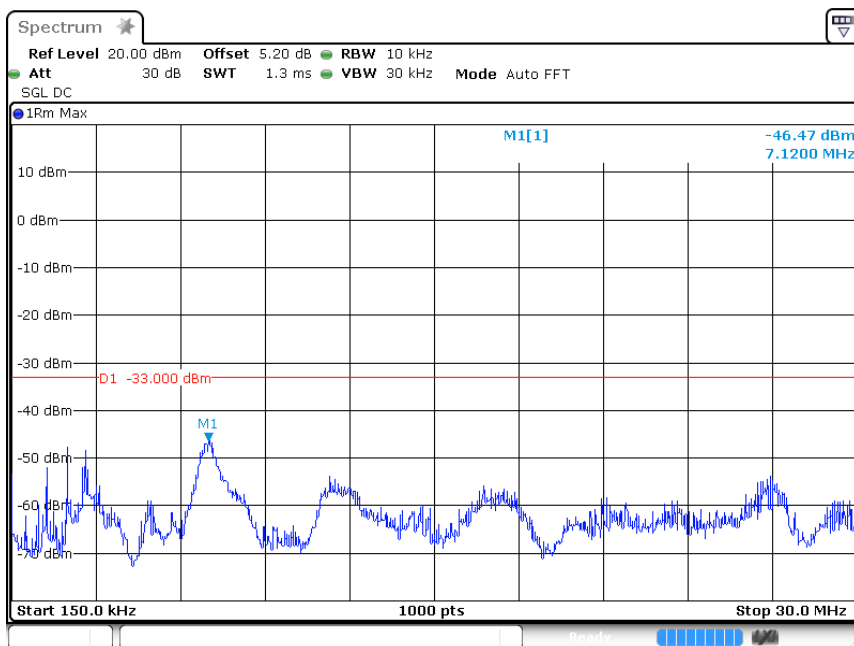
GPRS1900_810



Date: 7 AUG 2020 09:59:36

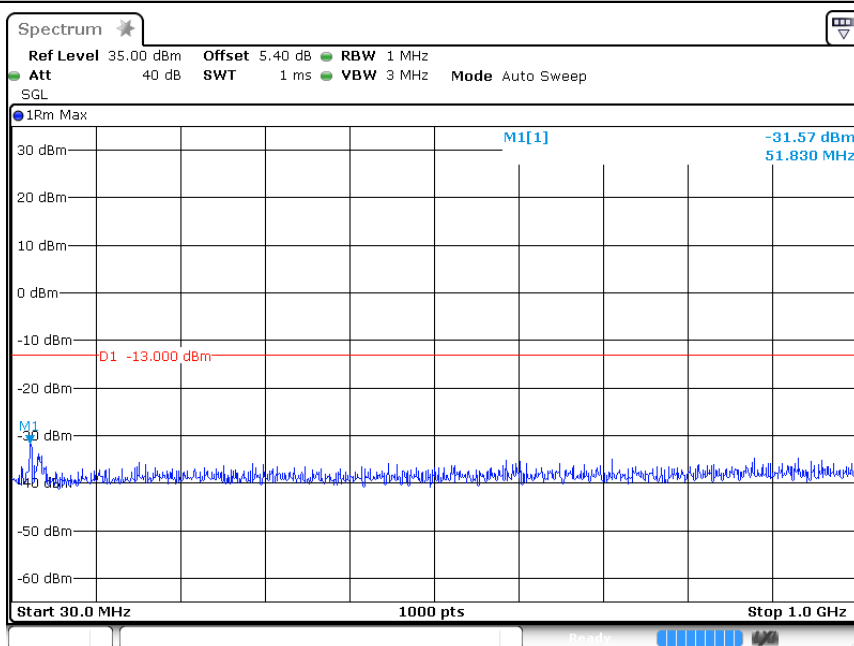


GPRS1900_810



Date: 7 AUG 2020 09:59:48

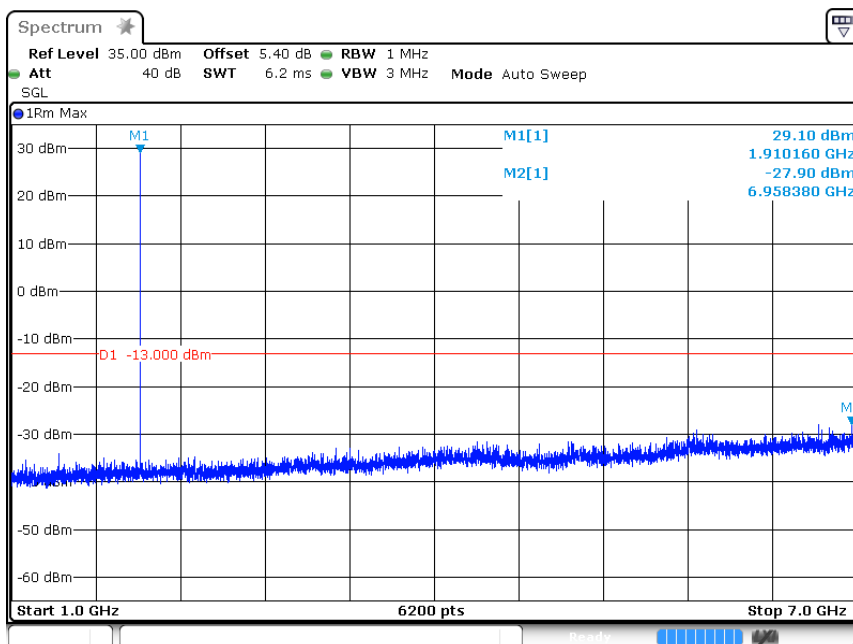
GPRS1900_810



Date: 7 AUG 2020 09:59:59

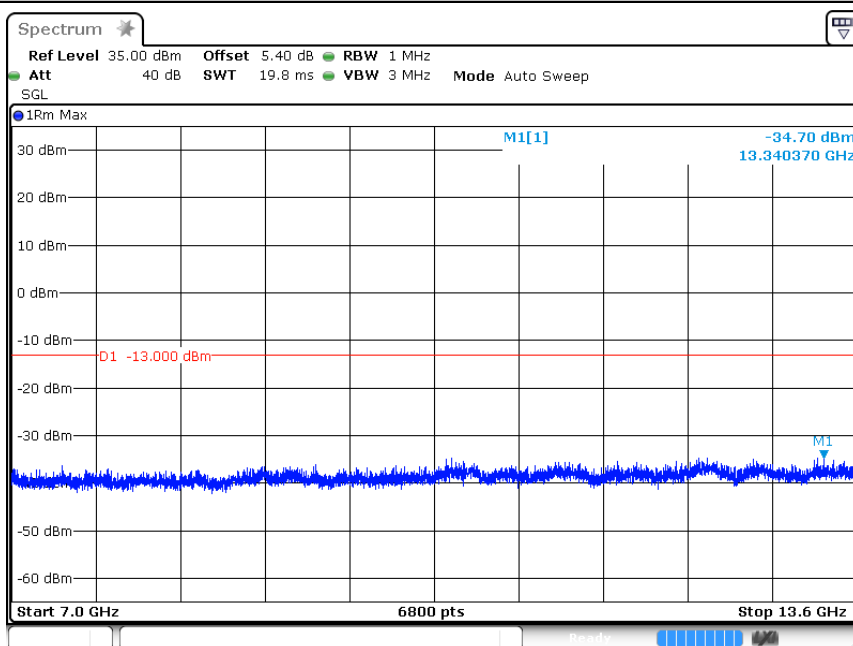


GPRS1900_810



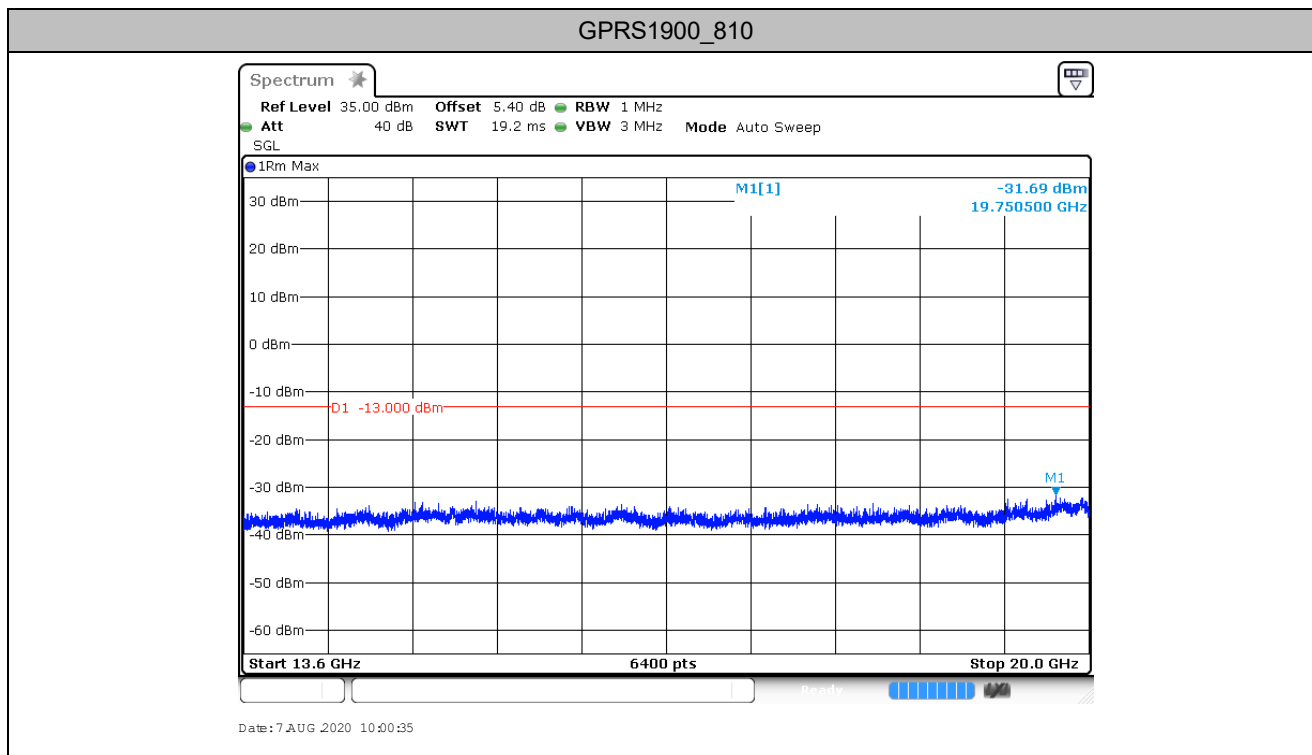
Date: 7 AUG 2020 10:00:12

GPRS1900_810



Date: 7 AUG 2020 10:00:24





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7. Field Strength of Spurious Radiation

7.1. Test Band = GSM 1900

7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
79.8605	-60.99	-13.00	47.99	Vertical
246.4663	-66.57	-13.00	53.57	Vertical
3700.5234	-51.61	-13.00	38.61	Vertical
5550.5850	-51.90	-13.00	38.90	Vertical
7400.6467	-41.99	-13.00	28.99	Vertical
17999.5000	-39.33	-13.00	26.33	Vertical
43.1927	-64.62	-13.00	51.62	Horizontal
163.9152	-65.39	-13.00	52.39	Horizontal
3700.5234	-46.51	-13.00	33.51	Horizontal
5550.5850	-51.21	-13.00	38.21	Horizontal
7400.6467	-49.91	-13.00	36.91	Horizontal
16401.9467	-42.78	-13.00	29.78	Horizontal

7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
79.5210	-60.94	-13.00	47.94	Vertical
340.9005	-65.92	-13.00	52.92	Vertical
3760.0253	-47.73	-13.00	34.73	Vertical
5640.0880	-51.13	-13.00	38.13	Vertical
7520.1507	-44.78	-13.00	31.78	Vertical
17995.4999	-39.64	-13.00	26.64	Vertical
45.0358	-63.67	-13.00	50.67	Horizontal
161.1991	-64.69	-13.00	51.69	Horizontal
3760.0253	-44.78	-13.00	31.78	Horizontal
5640.0880	-49.23	-13.00	36.23	Horizontal
7519.6507	-53.58	-13.00	40.58	Horizontal
16394.4465	-43.13	-13.00	30.13	Horizontal

7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
80.0545	-60.80	-13.00	47.80	Vertical
341.8706	-66.53	-13.00	53.53	Vertical
3819.5273	-47.10	-13.00	34.10	Vertical
5729.5910	-53.39	-13.00	40.39	Vertical



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7639.1546	-44.96	-13.00	31.96	Vertical
17995.9999	-38.93	-13.00	25.93	Vertical
43.3382	-64.16	-13.00	51.16	Horizontal
163.6727	-66.20	-13.00	53.20	Horizontal
3819.5273	-40.67	-13.00	27.67	Horizontal
5729.5910	-55.92	-13.00	42.92	Horizontal
7639.1546	-51.14	-13.00	38.14	Horizontal
16396.9466	-43.36	-13.00	30.36	Horizontal

7.2. Test Band = GSM 850

7.2.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
80.2000	-59.92	-13.00	46.92	Vertical
245.4478	-65.97	-13.00	52.97	Vertical
1648.1296	-44.28	-13.00	31.28	Vertical
2474.2949	-32.67	-13.00	19.67	Vertical
3297.0099	-53.09	-13.00	40.09	Vertical
4121.0374	-48.01	-13.00	35.01	Vertical
44.5507	-63.92	-13.00	50.92	Horizontal
161.5871	-59.68	-13.00	46.68	Horizontal
1648.5297	-40.85	-13.00	27.85	Horizontal
2472.6945	-49.44	-13.00	36.44	Horizontal
3297.0099	-39.05	-13.00	26.05	Horizontal
4120.5374	-51.07	-13.00	38.07	Horizontal

7.2.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
80.3455	-61.73	-13.00	48.73	Vertical
254.0812	-66.67	-13.00	53.67	Vertical
1672.9346	-46.55	-13.00	33.55	Vertical
2509.5019	-42.71	-13.00	29.71	Vertical
3346.5116	-53.56	-13.00	40.56	Vertical
4183.0394	-46.42	-13.00	33.42	Vertical
45.4238	-63.84	-13.00	50.84	Horizontal
162.3146	-61.72	-13.00	48.72	Horizontal
1672.9346	-43.70	-13.00	30.70	Horizontal
2510.3021	-33.98	-13.00	20.98	Horizontal
3346.5116	-40.40	-13.00	27.40	Horizontal
4183.0394	-51.99	-13.00	38.99	Horizontal



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7.2.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
78.4539	-57.68	-13.00	44.68	Vertical
251.9471	-67.30	-13.00	54.30	Vertical
1697.7395	-48.57	-13.00	35.57	Vertical
2546.3093	-46.97	-13.00	33.97	Vertical
3395.0132	-59.18	-13.00	46.18	Vertical
4244.0415	-44.02	-13.00	31.02	Vertical
40.6220	-58.98	-13.00	45.98	Horizontal
162.8966	-65.65	-13.00	52.65	Horizontal
1697.7395	-43.08	-13.00	30.08	Horizontal
2546.7093	-43.17	-13.00	30.17	Horizontal
3395.5132	-48.49	-13.00	35.49	Horizontal
4244.0415	-46.48	-13.00	33.48	Horizontal

Remark:

- 1) According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.
- 2) The disturbance above 12.75GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data had been displayed.





8. Frequency Stability

8.1. Frequency Error Vs Voltage

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	VL	TN	14.11	0.017118	2.5	PASS
GSM850	128	VN	TN	9.04	0.010968	2.5	PASS
GSM850	128	VH	TN	7.26	0.008814	2.5	PASS
GSM850	190	VL	TN	11.95	0.014279	2.5	PASS
GSM850	190	VN	TN	14.85	0.017752	2.5	PASS
GSM850	190	VH	TN	13.11	0.015668	2.5	PASS
GSM850	251	VL	TN	12.79	0.015063	2.5	PASS
GSM850	251	VN	TN	12.72	0.014987	2.5	PASS
GSM850	251	VH	TN	15.34	0.018068	2.5	PASS
GPRS850	128	VL	TN	21.92	0.026598	2.5	PASS
GPRS850	128	VN	TN	19.37	0.023503	2.5	PASS
GPRS850	128	VH	TN	23.60	0.028635	2.5	PASS
GPRS850	190	VL	TN	20.44	0.024429	2.5	PASS
GPRS850	190	VN	TN	21.73	0.025972	2.5	PASS
GPRS850	190	VH	TN	22.73	0.027169	2.5	PASS
GPRS850	251	VL	TN	20.21	0.023811	2.5	PASS
GPRS850	251	VN	TN	18.69	0.022023	2.5	PASS
GPRS850	251	VH	TN	18.50	0.021795	2.5	PASS
GSM1900	512	VL	TN	-13.11	-0.007085	2.5	PASS
GSM1900	512	VN	TN	-12.98	-0.007015	2.5	PASS
GSM1900	512	VH	TN	-13.95	-0.007538	2.5	PASS
GSM1900	661	VL	TN	-13.79	-0.007333	2.5	PASS
GSM1900	661	VN	TN	-12.75	-0.006783	2.5	PASS
GSM1900	661	VH	TN	-10.82	-0.005753	2.5	PASS
GSM1900	810	VL	TN	-12.17	-0.006373	2.5	PASS
GSM1900	810	VN	TN	-12.88	-0.006745	2.5	PASS
GSM1900	810	VH	TN	-10.56	-0.005528	2.5	PASS
GPRS1900	512	VL	TN	-11.82	-0.006387	2.5	PASS
GPRS1900	512	VN	TN	-11.53	-0.006230	2.5	PASS
GPRS1900	512	VH	TN	-15.72	-0.008498	2.5	PASS
GPRS1900	661	VL	TN	-9.62	-0.005118	2.5	PASS
GPRS1900	661	VN	TN	-11.20	-0.005959	2.5	PASS
GPRS1900	661	VH	TN	-13.40	-0.007127	2.5	PASS
GPRS1900	810	VL	TN	-11.56	-0.006052	2.5	PASS
GPRS1900	810	VN	TN	-8.75	-0.004581	2.5	PASS
GPRS1900	810	VH	TN	-11.82	-0.006187	2.5	PASS



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8.2. Frequency Error Vs Temperature

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	VN	-30	11.82	0.014337	2.5	PASS
GSM850	128	VN	-20	12.69	0.015395	2.5	PASS
GSM850	128	VN	-10	10.62	0.012888	2.5	PASS
GSM850	128	VN	0	10.07	0.012222	2.5	PASS
GSM850	128	VN	10	12.75	0.015473	2.5	PASS
GSM850	128	VN	20	8.68	0.010537	2.5	PASS
GSM850	128	VN	30	13.27	0.016100	2.5	PASS
GSM850	128	VN	40	11.91	0.014455	2.5	PASS
GSM850	128	VN	50	9.62	0.011673	2.5	PASS
GSM850	190	VN	-30	14.24	0.017019	2.5	PASS
GSM850	190	VN	-20	13.95	0.016672	2.5	PASS
GSM850	190	VN	-10	17.98	0.021496	2.5	PASS
GSM850	190	VN	0	18.69	0.022345	2.5	PASS
GSM850	190	VN	10	12.30	0.014703	2.5	PASS
GSM850	190	VN	20	16.01	0.019142	2.5	PASS
GSM850	190	VN	30	12.88	0.015398	2.5	PASS
GSM850	190	VN	40	14.14	0.016903	2.5	PASS
GSM850	190	VN	50	16.69	0.019952	2.5	PASS
GSM850	251	VN	-30	14.27	0.016812	2.5	PASS
GSM850	251	VN	-20	13.88	0.016356	2.5	PASS
GSM850	251	VN	-10	12.95	0.015253	2.5	PASS
GSM850	251	VN	0	14.82	0.017459	2.5	PASS
GSM850	251	VN	10	13.79	0.016242	2.5	PASS
GSM850	251	VN	20	14.40	0.016965	2.5	PASS
GSM850	251	VN	30	16.11	0.018980	2.5	PASS
GSM850	251	VN	40	14.75	0.017383	2.5	PASS
GSM850	251	VN	50	12.49	0.014720	2.5	PASS
GPRS850	128	VN	-30	23.63	0.028674	2.5	PASS
GPRS850	128	VN	-20	21.53	0.026128	2.5	PASS
GPRS850	128	VN	-10	21.76	0.026402	2.5	PASS
GPRS850	128	VN	0	23.37	0.028361	2.5	PASS
GPRS850	128	VN	10	23.25	0.028204	2.5	PASS
GPRS850	128	VN	20	23.02	0.027930	2.5	PASS
GPRS850	128	VN	30	22.21	0.026951	2.5	PASS
GPRS850	128	VN	40	19.86	0.024091	2.5	PASS
GPRS850	128	VN	50	21.05	0.025540	2.5	PASS
GPRS850	190	VN	-30	21.15	0.025278	2.5	PASS
GPRS850	190	VN	-20	19.86	0.023734	2.5	PASS



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GPRS850	190	VN	-10	19.31	0.023078	2.5	PASS
GPRS850	190	VN	0	20.24	0.024197	2.5	PASS
GPRS850	190	VN	10	20.82	0.024892	2.5	PASS
GPRS850	190	VN	20	18.79	0.022460	2.5	PASS
GPRS850	190	VN	30	19.44	0.023232	2.5	PASS
GPRS850	190	VN	40	19.60	0.023425	2.5	PASS
GPRS850	190	VN	50	18.82	0.022499	2.5	PASS
GPRS850	251	VN	-30	16.27	0.019171	2.5	PASS
GPRS850	251	VN	-20	20.82	0.024534	2.5	PASS
GPRS850	251	VN	-10	18.89	0.022252	2.5	PASS
GPRS850	251	VN	0	20.79	0.024496	2.5	PASS
GPRS850	251	VN	10	19.95	0.023507	2.5	PASS
GPRS850	251	VN	20	17.37	0.020464	2.5	PASS
GPRS850	251	VN	30	19.47	0.022936	2.5	PASS
GPRS850	251	VN	40	18.18	0.021415	2.5	PASS
GPRS850	251	VN	50	19.21	0.022632	2.5	PASS
GSM1900	512	VN	-30	-13.69	-0.007399	2.5	PASS
GSM1900	512	VN	-20	-10.59	-0.005724	2.5	PASS
GSM1900	512	VN	-10	-11.56	-0.006247	2.5	PASS
GSM1900	512	VN	0	-14.30	-0.007730	2.5	PASS
GSM1900	512	VN	10	-12.46	-0.006736	2.5	PASS
GSM1900	512	VN	20	-15.08	-0.008149	2.5	PASS
GSM1900	512	VN	30	-13.72	-0.007416	2.5	PASS
GSM1900	512	VN	40	-11.75	-0.006352	2.5	PASS
GSM1900	512	VN	50	-11.85	-0.006404	2.5	PASS
GSM1900	661	VN	-30	-13.62	-0.007247	2.5	PASS
GSM1900	661	VN	-20	-13.01	-0.006921	2.5	PASS
GSM1900	661	VN	-10	-13.27	-0.007058	2.5	PASS
GSM1900	661	VN	0	-12.01	-0.006388	2.5	PASS
GSM1900	661	VN	10	-14.56	-0.007745	2.5	PASS
GSM1900	661	VN	20	-12.62	-0.006715	2.5	PASS
GSM1900	661	VN	30	-11.56	-0.006148	2.5	PASS
GSM1900	661	VN	40	-14.59	-0.007762	2.5	PASS
GSM1900	661	VN	50	-13.53	-0.007196	2.5	PASS
GSM1900	810	VN	-30	-12.20	-0.006390	2.5	PASS
GSM1900	810	VN	-20	-10.17	-0.005325	2.5	PASS
GSM1900	810	VN	-10	-9.91	-0.005190	2.5	PASS
GSM1900	810	VN	0	-10.40	-0.005444	2.5	PASS
GSM1900	810	VN	10	-10.20	-0.005342	2.5	PASS
GSM1900	810	VN	20	-13.24	-0.006931	2.5	PASS
GSM1900	810	VN	30	-9.01	-0.004717	2.5	PASS
GSM1900	810	VN	40	-10.56	-0.005528	2.5	PASS
GSM1900	810	VN	50	-10.01	-0.005241	2.5	PASS



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GPRS1900	512	VN	-30	-10.20	-0.005514	2.5	PASS
GPRS1900	512	VN	-20	-13.66	-0.007381	2.5	PASS
GPRS1900	512	VN	-10	-15.40	-0.008324	2.5	PASS
GPRS1900	512	VN	0	-13.08	-0.007067	2.5	PASS
GPRS1900	512	VN	10	-12.95	-0.006997	2.5	PASS
GPRS1900	512	VN	20	-11.85	-0.006404	2.5	PASS
GPRS1900	512	VN	30	-10.49	-0.005671	2.5	PASS
GPRS1900	512	VN	40	-11.30	-0.006107	2.5	PASS
GPRS1900	512	VN	50	-11.33	-0.006125	2.5	PASS
GPRS1900	661	VN	-30	-12.33	-0.006560	2.5	PASS
GPRS1900	661	VN	-20	-12.95	-0.006887	2.5	PASS
GPRS1900	661	VN	-10	-15.24	-0.008106	2.5	PASS
GPRS1900	661	VN	0	-9.81	-0.005221	2.5	PASS
GPRS1900	661	VN	10	-15.21	-0.008089	2.5	PASS
GPRS1900	661	VN	20	-12.01	-0.006388	2.5	PASS
GPRS1900	661	VN	30	-13.17	-0.007007	2.5	PASS
GPRS1900	661	VN	40	-13.17	-0.007007	2.5	PASS
GPRS1900	661	VN	50	-12.37	-0.006577	2.5	PASS
GPRS1900	810	VN	-30	-8.49	-0.004446	2.5	PASS
GPRS1900	810	VN	-20	-12.24	-0.006407	2.5	PASS
GPRS1900	810	VN	-10	-7.62	-0.003990	2.5	PASS
GPRS1900	810	VN	0	-9.52	-0.004987	2.5	PASS
GPRS1900	810	VN	10	-9.33	-0.004886	2.5	PASS
GPRS1900	810	VN	20	-11.07	-0.005799	2.5	PASS
GPRS1900	810	VN	30	-10.62	-0.005562	2.5	PASS
GPRS1900	810	VN	40	-13.56	-0.007100	2.5	PASS
GPRS1900	810	VN	50	-9.91	-0.005190	2.5	PASS

The End



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